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Ontario

Assessment Report

Summer 2016 Regional Structural Study and Drilling Program
Crescent Lake Project
Falcon Lake and Zigzag Properties

CRESCENT LAKE AND FALCON LAKE AREAS
THUNDER BAY MINING DIVISION, ONTARIO, CANADA
NTS 52I08

Prepared For:

Canadian Orebodies

Prepared by:

Tim Birt

Sunrise Canada Inc.

Date:

October 11, 2016

Revised November-December 2016

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2 Introduction

This report details the work conducted during a Regional Structural Study and drilling program completed in the month of June 2016. Fladgate Exploration Consulting Corporation (Fladgate) and Sunrise Canada Inc. provided field personnel to conduct operations. The regional work was completed on the Falcon Lake and Zigzag Properties, located northeast of Armstrong, Ontario, Canada. The drilling program was completed on the Falcon Lake Property. Sunrise Canada has an option agreement with Canadian Orebodies to acquire interest in the property as part of its focus in identifying and exploring for a lithium and rare metal elements occurrences.

This report was authored by Tim Birt, Chief Geologist of Sunrise Canada's parent entity, Argonaut Resources NL, an ASX (Australian Stock Exchange) listed public company.

3 Terms of Reference

This report was prepared by Sunrise Canada for the use of filing assessment as required under the Ontario Mining Act.

4 Disclaimer

This report is based on information from assessment reports, private reports and general geological reports and maps listed in the References and Literature Section. Although many authors of such reports appear to be qualified and the information appears to have been prepared to standards acceptable at the time, the presentation of the data does not meet present requirements and therefore the author is unable to ascertain the full quality of the information. The author does not take responsibility for the information provided from such sources.

5 Properties Description and Location

The Falcon Lake and Zigzag Properties are located within the Crescent Lake area. The Falcon Lake Property consists of 5 contiguous claims and the Zigzag Property consists of 7 contiguous claims (Table 1), of located approximately 90km northeast of Armstrong, Ontario, Canada (Figure 2).

Armstrong, Ontario is located approximately 250km north of Thunder Bay, Ontario, at the end of Highway 527, running along the west side of Lake Nipigon (Figure 1).

Figure 1: Regional Location.

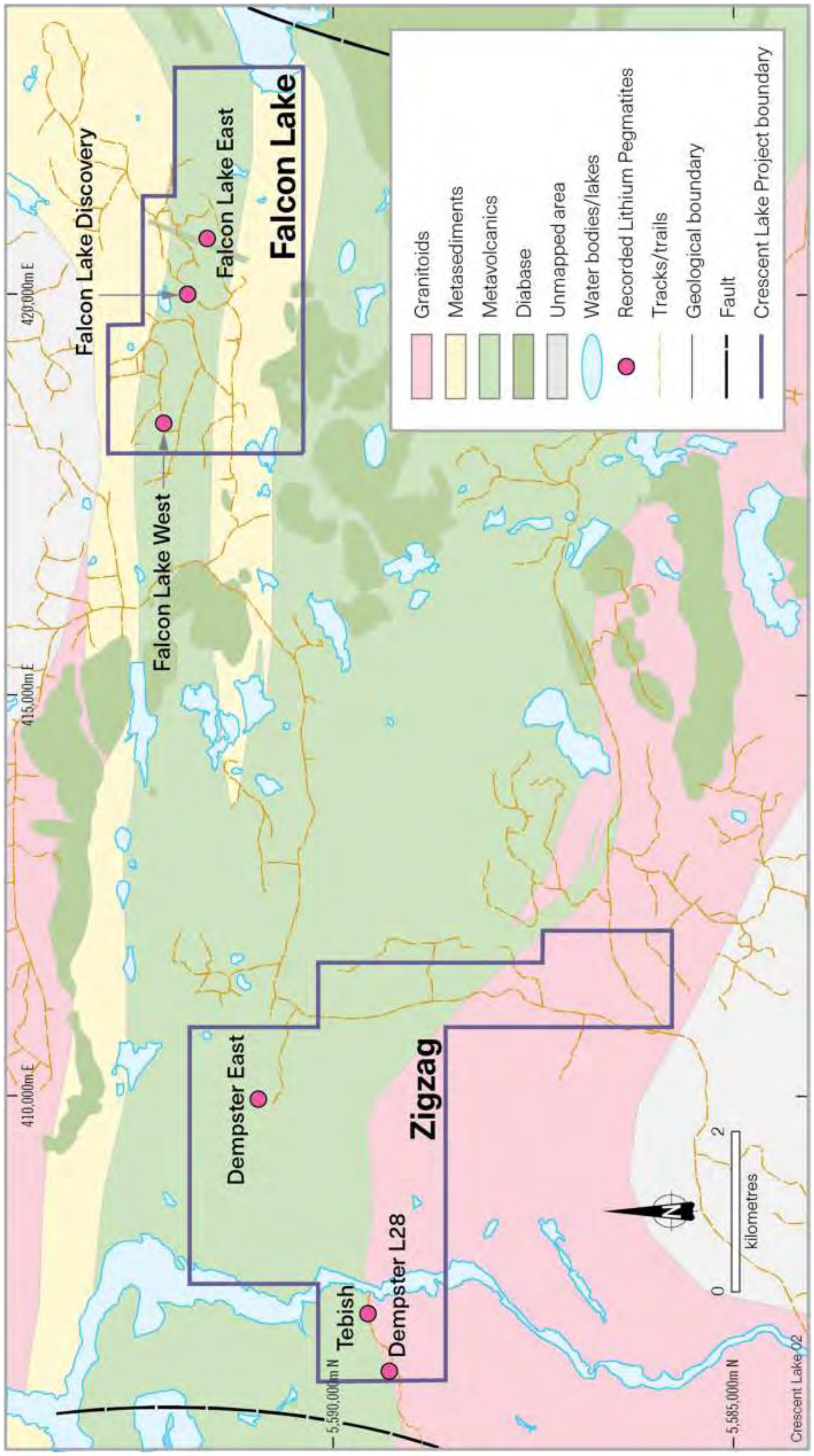

Figure 2: Crescent Lake Project - Falcon Lake and Zigzag Property locations.

Table 1 – Falcon Lake and Zigzag Properties Claims

Mining Claim	Township/Area	Units	Date Recorded	Date Due
4252441	Falcon Lake Area (G-0035)	8	Dec. 9, 2009	Dec. 9, 2016
4252442	Falcon Lake Area (G-0035)	4	Dec. 9, 2009	Dec. 9, 2016
4250593	Falcon Lake Area (G-0035)	16	July 17, 2009	July 17, 2017
4250594	Falcon Lake Area (G-0035)	16	July 17, 2009	July 17, 2017
4250595	Falcon Lake Area (G-0035)	16	July 17, 2009	July 17, 2017
4213186	Crescent Lake (G-0027)	16	24-Sep-2009	24-Sep-2017
4213187	Falcon Lake (G-0035)	14	24-Sep-2009	24-Sep-2017
4229526	Falcon Lake (G-0035)	12	24-Sep-2009	24-Sep-2017
4244211	Crescent Lake (G-0027)	12	27-Oct-2008	27-Oct-2016
4244212	Crescent Lake (G-0027)	16	27-Oct-2008	27-Oct-2016
4244213	Crescent Lake (G-0027)	16	27-Oct-2008	27-Oct-2016
4252421	Crescent Lake (G-0027)	16	9-Dec-2009	9-Dec-2016

6 Accessibility, Local Resources and Infrastructure

Main access to the site is achieved via the North Jackfish road, which is an extension of Airport Rd., leading northeast out of Armstrong, Ontario. The roads leading onto the Properties are logging roads.

The Jackfish Road is considered a gravel logging road and is in consistent use by local outdoorsmen and the Whitesand First Nation. Although it is fairly well-maintained, an off-road capable truck or SUV is recommended.

The North Road separates from the main Jackfish road at approximately the 76km marker, while the turnoff to the Falcon Lake Property itself is located at the 11km marker along the North Road. The network of roads can easily access most of the Falcon Lake Property by an off-road capable truck or ATV.

The North Road also leads to Zigzag Property claims 4229526 and 4213187. There is an old road at the 5km marker along the North road that can be used to access the Dempster East showing located on claim 4213186. This trail was limited to ATV use only and is now in need of maintenance and upgrade.

There is very limited access into the western portion of the Zigzag Property, however a drill access to the Tebishogeshik showing was re-established in 2010. This trail was limited to ATV and snowmobile use, and was considered a winter-use trail only. This trail is now in need of maintenance and upgrade.

7 Geological Setting

7.1 Regional and Local Geology

The properties are located within the Caribou Greenstone Belt, which trends east-north east along the top of Lake Nipigon. The Caribou Lake Greenstone Belt (MacDonald et al, 2009) extends eastward from the larger Onamon-Tashota Greenstone Belt, and lies along the northern margin of the Wabigoon Subprovince. As defined by the Sydney Lake-Lake St. Joseph Fault zone. The Caribou belt differs from the Marshall Lake portion of the Tashota belt in being dominated by mafic and ultramafic rock compositions, including komatiites, with lesser intermediate and felsic metavolcanic rocks. The Caribou belt also contains horizons of metasedimentary units, including abundant iron formation. Numerous Archean-aged mafic and ultramafic bodies intrude the metavolcanics.

In the area of the properties, a prominent south-south west trending arm of the belt wraps around the northwest end of a large, early, composite felsic pluton. The contacts of the pluton can be seen on regional vertical gradient magnetic maps, and is reported (Pye, 1968) to be composed of tonalite and granodiorite, with lesser granite, monzonite and diorite phases. The south-south west arm area is also cut by a series of prominent late south-south west trending faults (with left-lateral displacement) that dictate the odd shape of Crescent Lake.

Lying near the north end of the Nipigon Embayment, the area has also been affected by the Proterozoic Mid-Continental Rift event, expressed locally by outliers of Logan diabase sills that form prominent hills in the area, and can be seen on magnetic maps as strong highs or lows.

Figure 3: Setting up for drill hole FLDD001 on the Falcon Lake Property

Figure 4: Drill underway on drill hole FLDD001

7.2 Properties Geology

The Falcon Lake and Zigzag Properties are comprised mostly of a large volcanic package on the northern portion of the properties, and sediments to the south in the case of Falcon Lake and a large granitic intrusion in Zigzag's case (Figure 5). The volcanic and sedimentary units have been metamorphosed to at least a greenschist facies, with instances of garnet in some outcrops indicating metamorphism as high as amphibolite facies.

The metavolcanics throughout the properties occur in several different forms, mostly as massive basalts, whereas several outcrops show relatively unaltered pillow selvages. The metasediments are mostly poorly sorted greywackes and arkosic wackes.

Granitic intrusions are common, mostly in the form of pegmatite dykes as well as some simple granitic dykes. There are some instances of quartz and feldspar porphyries. In some areas, the pegmatites are truncated by Logan diabase sills.

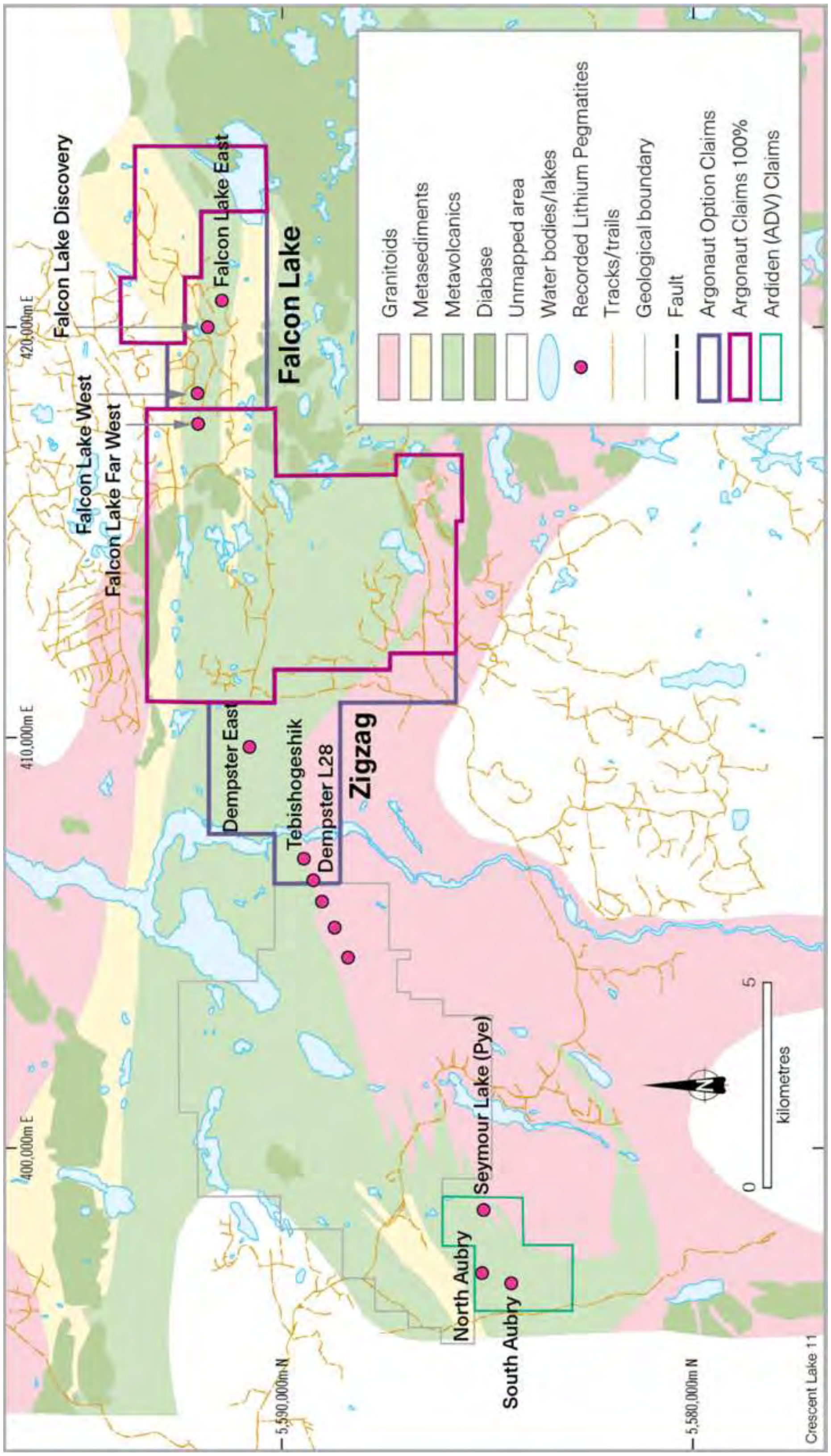

Figure 5: Regional geology (modified from Pye, E.G., 1968).

7.3 Alteration and Mineralization

The Falcon Lake Pegmatite Group consists of a series of pegmatite dykes that intrude within a 0.25 km x 4.5 km area between Funnel and Falcon Lakes including the Falcon Lake Discovery Pegmatite, Falcon Lake East Pegmatite and Falcon Lake West Pegmatite. These pegmatites are spodumene-subtype and have some of the highest reported tantalum-rich oxide values in Ontario, associated with manganotantalite and ferrotapiolite. These pegmatites are complex subtype, spodumene pegmatites which are enriched in Li with associated Be, Cs, Ga, Nb, Rb, Sn and Ta.

Crescent Lake Pegmatite Group consists of a series of pegmatite dykes that intrude mafic meta-volcanic and meta-tonalitic rocks within a 1.2 km x 6 km area south of Crescent and Zig-Zag Lakes including the Tebishogeshik Pegmatite and the Dempster East Pegmatite. These pegmatites are complex-subtype, spodumene-subtype and have relatively high tantalum associated with oxide phases (columbite-tantalite group, ferrotapiolite and microlite), evolved garnet compositions and pervasive albitisation.

8 History of Exploration on the Properties

Canadian Orebodies conducted a drilling program (Table 2), targeting the Tebishogeshik and Falcon West showings and determine overall lithium and tantalum consistency across the known pegmatites (Thompson and Henderson, 2011[1] and [2]).

Initial planning the for the Falcon Lake West drillholes was to twin historical drillholes drilled by British Canadian Lithium Mines. However, the exact collar locations of these historical drillholes were not accurately located. The orientation (azimuth and dip) of the historical holes were used for the drill program. The drillholes targeting Tebishogeshik were planned to test the strike extent outwards (east and west) from the known pegmatite outcrops observed during mapping.

Table 2 – Completed 2010-2011 drillholes

Drillhole ID	Easting (NAD83)	Northing (NAD83)	Azimuth	Dip	Total Depth (m)	Pegmatite Intersection (m)
CO-10-001	418449	5592004	300	-45.0	103.3	20.2
CO-10-002	418422	5592003	300	-60.0	94.8	13.1
CO-10-003	418423	5592042	300	-60.0	65.0	11.0
CO-10-004	406924.00	5589431.00	347	-50.0	100.5	6.00
CO-10-005	406953.00	5589428.00	330	-50.0	50.9	2.00
CO-10-006*	406899.00	5589412.00	345	-60.0	50.5	2.50 + 3.50
CO-10-007*	406839.00	5589410.00	345	-55.0	50.0	0.30 + 6.30
CO-10-008	406761.00	5589387.00	350	-50.0	50.5	5.00
CO-10-009*	407144.00	5589476.00	345	-50.0	51.0	8.30 + 2.00
CO-10-010	407153.00	5589451.00	345	-55.0	81.0	4.00
CO-10-011*	407422.00	5589521.00	345	-50.0	50.2	4.50 + 2.55 +0.30 +1.10

* Drillhole intersected pegmatite on more than one occasion.

Table 3 – Significant results from 2010-2011 drilling

Drillhole ID	From (m)	To (m)	Width (m)	Li2O (%)	Ta_2O_5 (ppm)	Be (ppm)	Cs (ppm)	Nb (ppm)	Rb (ppm)
CO-10-001	69.3	83.3	14.0	0.99	52.5	145.4	166.0	62.5	2080.7
including	69.3	74.3	5.0	1.25	46.6	214.7	189.8	69.4	2862.0
Including	79.3	83.3	4.0	1.50	47.9	128.7	120.1	78.7	1657.5
CO-10-002	55.3	62.3	7.0	1.07	68.6	136.4	377.9	46.1	3477.1
CO-10-003	39.4	50.4	11.0	1.10	50.0	115.2	83.3	62.5	1377.1
including	44.4	50.4	6.0	1.52	48.5	156.6	84.7	79.9	1670.0
CO-10-005	10.73	21.10	10.37	36.07	132.40	32.65	803.35	0.27	86.92
including	10.73	14.48	3.75	79.05	71.93	58.91	870.93	0.45	192.79
CO-10-006	19.80	22.40	2.60	115.60	54.46	81.30	1201.54	0.74	123.87
CO-10-006	28.50	30.5	2.00	100.35	80.05	100.65	940.00	0.06	170.34
CO-10-007	12.45	18.55	6.10	114.07	56.55	69.33	1090.25	1.08	197.29
including	12.45	15.50	3.05	146.80	39.07	82.42	580.00	1.49	240.18
CO-10-008	11.50	18.42	6.92	35.83	123.97	67.30	1434.88	0.40	299.07
including	15.50	18.42	2.92	62.76	118.26	87.37	1522.74	0.58	399.82
CO-10-009	10.50	18.65	8.15	140.62	51.87	69.55	1079.26	0.35	188.17
CO-10-010	34.20	37.85	3.65	96.62	64.06	105.40	1102.19	0.93	237.68
CO-10-011	14.50	18.56	4.06	194.10	64.12	84.38	1618.28	0.27	106.08
CO-10-011	39.50	41.95	2.45	126.92	248.98	46.78	859.98	0.07	223.44

Canadian Orebodies completed mapping and sampling programs in 2009 (Thompson et al, 2010[1] and [2]). These programs included mapping and sampling over the Falcon Lake and Zigzag Properties, as well as a trenching and channel sampling programs over the Falcon West showing, Dempster East and the Ketchican Beryl Occurrences. Regionally, mapping traverses were undertaken and grab samples collected form both properties.

Historical, documented exploration is summarized in Table 4 below.

Table 4 – Historic Exploration - Falcon Lake and Zigzag Properties

Year	Operator	Work	Principal Reference
1956-1958	British Canadian Lithium Mines Ltd.	Line cutting and Drill Program totalling 22 holes	BCLM Report
1956-1960	Dempster Explorations Ltd.	Line cutting, trenching and drill program, totalling 24 holes.	Dempster Report
1978-1979	E&B Explorations Inc. & Cominco Ltd.	Grid cutting and Geochemistry Program	E&B Assessment Report
1982	Bird River Mines Co. Ltd.	Channel Sampling	BRMC Report
2002	Platinova Resources	Grab samples and channel sampling.	Platinova Resources Property Evaluation

Several companies have conducted work in the area immediately surrounding (moreover to the West) of the Falcon Lake claims, however British Canadian Lithium Mines Ltd. (BCLM) was the only company to conduct work on the current Falcon Lake Property.

BCLM conducted a drill program in 1956 over the three major showings on the property: Falcon West, Falcon East, and Discovery. Three holes were drilled in the Discovery showing, six were drilled into Falcon East, and nine were drilled into the Falcon West showing, totaling eighteen holes on the property. As mentioned in the drilling report submitted by BCLM, there are four more holes whose locations are yet unknown. Excluding the four unknown holes, the eighteen holes drilled a total of 5,241.5 feet (~1,597.6m).

Initial work done on the Zigzag Property was performed by Dempster Explorations Ltd. in 1958, after original claims were staked by Frank Tebishogeshik in 1956, and optioned to Dempster Explorations. A local grid was cut in the area of the Tebishogeshik showing west of Zig Zag Lake (claim 4244211). Trenching and stripping of the primary dyke showing followed the line cutting, as well as one diamond drill hole. Drill programs were later carried out in 1958, 1959, and 1960 with a total of 23 holes drilled with a 7/8 packsack drill. Work ended after 1960 when lithium prices dropped below economical cutoffs.

E and B Explorations Inc. and Cominco Ltd. outlines several properties where work was completed in the Crescent and Falcon Lake areas in 1980. They conducted a line cutting and geochemistry program in 1979 on the Zigzag Property. A 19.18 mile grid was cut over the Tebishogeshik occurrence, and a 3.90 mile grid was cut over the Dempster East showing. Geochemistry was conducted over the Tebishogeshik collecting a total of 892 samples, while 132 samples were conducted over the Dempster East dyke.

Claim Group 'B' of E and B Explorations outlines most of the current Falcon Lake property. Work included a 22.43 mile grid cut by G.D. Hudson and Son, as well as a geochemistry program undertaken by E and B Explorations. A total of 1103 samples were taken for the geochemistry program.

Bird River Mines Co. Ltd. continued with work in 1982 with an extensive channel sampling program over the Dempster East and Tebishogeshik occurrences. A summary of their results show an average lithium return of 2,500 tons per vertical foot with an average grade of 1.60% Li. Results for tantalum, gallium, and beryllium were also returned with ½-7lbs/ton, ~ ½ lb/ton, and recoverable amounts, respectively. These results were based off of 36 channel samples totaling approximately 155 feet.

9 Current Program

9.1 Regional Structural Study

Sunrise Canada engaged a structural geology expert, Mike Watkeys, to evaluate the structural geology of the pegmatites at Crescent Lake project area including the Falcon Lake and Zigzag Properties. Access to the field area was restricted due to the condition of tracks caused by rain. The Canadian Orebodies drillcore from the 2010-2011 drill program was found to be stored in Timmins, so the opportunity to relog and obtain further structural reading was undertaken.

This study highlighted that the orientation and en echelon nature of the Falcon Lake West pegmatites indicates that they are infilling T fractures the developed in an east west striking sinistral transtensional strike-slip system. The pegmatites have varying dips and strikes. The steep dipping bodies may be intruding T fractures while shallower dipping bodies may be parallel to normal faults. The pegmatites may "blow" at the intersection of fractures giving potential shoots plunging sub-vertically and sub-horizontally. The regular spacing of about 700 m between bodies suggests that there should be another pegmatite halfway between Falcon Lake West and Falcon Lake Discovery (Watkeys, 2016).

This report is included as Appendix I.

9.2 Drill Program

The Summer 2016 drilling program consisted of six drillholes (Table 5), targeting the Falcon West showing. A total of 6 NQ diamond drillholes (FLDD001-006) were drilled for a total of 534 metres. The aim of this program was to verify and determine overall lithium and rare metal elements consistency across the known pegmatite.

The drilling was performed by Chibougamau Diamond Drilling Ltd., based out of Chibougamau, Quebec, Canada. The drill rig was mobilized to site from the nearby Landore Resources Camp on June 15th. Drilling commenced on June 16th, with drillhole FLDD01, and was completed on June 22rd, with drillhole FLDD006. Demobilization back to Landore Resources Camp was done over the course of the 23rd.

Drillhole planning involved targeting strike extension to the mineralisation intercepted in 2010 by Canadian Orebodies. Two sections of drilling, one containing FLDD001, 002 and 006 and the other FLDD003 and 004, tested extensions to the south from the 2010 drilling. FLDD005 tested the northern extension of the pegmatites.

Table 5 – Completed 2016 drillholes

Drillhole ID	Easting (NAD83)	Northing (NAD83)	Azimuth	Dip	Depth (m)	Pegmatite Intersection (m)
FLDD001	418396	5591985	300	-50	81	23.75
FLDD002	418433	5591963	300	-45	111	27.85
FLDD003	418394	5591944	300	-50	96	20.7
FLDD004	418413	5591931	300	-45	111	17.9
FLDD005	418447	5592055	300	-50	75	1.5
FLDD006	418367	5592002	300	-45	60	21.6

10 Sampling Method and Approach

Drillcore was logged for recovery, lithology, alteration, mineralisation and structure on site near the Falcon Lake property, Ontario, by Fladgate personnel. Drillcore was cut and sampled on nominal 1 metre intervals except at lithological contacts. All pegmatite was sampled as well as shoulder samples into metavolcanic lithologies. A total of 227 samples including QA/QC samples were submitted for analysis.

A QA/QC program was put in place that involved placing lithium standard material (SRM 181) every 20 samples accompanied by a granite blank every 20 samples. The blank material was obtained from Nelson Granite, in Vermilion Bay, Ontario.

The SRM 181 standard was sourced from the National Institute of Standards and Technology (NIST), part of the U.S. Department of Commerce.

11 Sample Preparation, Analysis and Security

The samples were cut and placed in standard clear sample bags with barcoded sample tickets. The samples were then placed in polywoven bags, in groups of ten. Samples were taken to the ALS Chemex Preparation Facility, Thunder Bay, inside these polywoven bags. Appropriate chain of custody was confirmed by personnel, who delivered the samples to the laboratory. Sample reception confirmed sample receipt with personnel and the samples became the custody of the lab for preparation and analysis.

Samples were dried, crushed, split, pulverised and pulp taken. These pulps were transferred for analysis at ALS Chemex hub laboratory, Vancouver, BC. Analysis undertaken included a four acid digest (sulphuric, nitric, perchloric and hydrofluoric) and Inductively Coupled Plasma (ICP) finish for 48 element utilising the ME-MS61 method. Samples reporting values over the method detection limit (>10000 ppm Li) were automatically analysed using the Li-OG63 method, which uses four acid digestion and ICP-AES finish.

12 Interpretations and Conclusions

Drilling at Falcon Lake West intersected spodumene bearing pegmatites in each drillhole. Down hole length intersections in the current drilling are comparitive to those intersected by BCLM in the 1950's. The drillhole (FLDD005) testing the northern strike extent indicated that the main pegmatite in thinning out to less than 2 metres width. The section of drillholes testing the southern strike extent

Zonation was observed in the two pegmatite bodies intercepted at Falcon Lake West. Generalized zonation down hole through the pegmatites shows a white quartz-albite-spodumene rich-white mica grading to a white pink quartz-albite-K feldspar- moderate spodumene-white mica then grading to a pink light orange K feldspar-quartz-albite-white mica-spodumene poor pegmatite. The pegmatites are altered proximal to diabase dykes and sills and usually and usually lithium poor. This is possibly due to the light rare metals being remobilised and removed for the pegmatite.

The current drill program demonstrates that the identified pegmatites have a strike extent of greater than 120 metres. Downhole widths exceed 20 metres which is consistent with interval widths encountered by BCLM drilling. Results from the current drilling returned significant intercepts from all drillholes (Table 6).

Table 6 – Significant results from Falcon Lake 2016 drilling

Hole ID	From (m)	To (m)	Width (m)	Li_2O (%)	Ta_2O_5 (ppm)	Be (ppm)	Cs (ppm)	Nb (ppm)	Rb (ppm)
FLDD001	48.0	69.7	21.7	1.09	84	157	157	85	2227
including	49.8	57.7	7.9	1.31	85	177	173	98	2195
FLDD002	35.6	51.2	15.6	0.91	109	145	114	81	2238
including	35.6	37.1	1.5	1.31	306	148	138	143	2476
and	40.2	51.2	11.0	1.05	109	185	119	94	2786
including	43.8	49.8	6.0	1.26	55	181	90	86	2220
	98.6	101.8	3.2	0.68	43	129	69	65	1741
including	99.6	100.6	1.0	1.12	44	125	75	70	1580
FLDD003	22.7	47.0	24.3	0.55	38	84	122	35	1391
including	25.7	36.9	11.2	0.89	37	105	90	45	1213
including	25.7	31.6	5.9	1.34	55	165	98	65	1638
FLDD004	48.7	50.5	1.8	0.49	200	162	750	60	3102
FLDD005	55.7	58.2	2.5	0.91	34	124	164	39	1218
including	55.7	57.2	1.5	1.42	56	205	233	64	1906
FLDD006	10.9	35.3	24.4	1.48	60	147	196	66	2013
including	20.4	29.4	9.0	1.95	57	167	194	77	2041

13 Recommendations

Current and historical drilling has identified the strike extent of the Falcon Lake West pegmatite at surface. The pegmatite does continue at depth, with intersection width at surface approximately the same as the drilled intersection at depth. Further repetitions of the pegmatites are possible as displayed by second, blind pegmatite intersected at Falcon Lake West.

Further investigation for repetitions of pegmatite occurrences within the structural corridor which controls the emplacement of the pegmatites within the Falcon Lake and Zigzag Properties should be undertaken. Prospecting should be undertaken on a traverse basis over the structural corridor.

14 References and Literature

Author	Year	Title
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MacDonald, C.A., ter Meer, M., Lowe, D., Isaac, C. and Stott, G.M.	2009	Precambrian geology of the Caribou Lake greenstone belt, northwestern Ontario: Ontario Geological Survey, Preliminary Map P.3613, scale 1:50 000.
Pye, E.G.	1968	Geology of the Crescent Lake Area, District of Thunder Bay, Ontario. Department of Mines – Geological Report 55.
Thompson, M., Craig, B. and Henderson, A.[1]	2010	Assessment Report Fall 2009 Exploration Program, Falcon Property
Thompson, M., Craig, B. and Henderson, A.[2]	2010	Assessment Report Fall 2009 Exploration Program, Zigzag Property

Thompson, M., and Henderson, A.[1] 2011 Assessment Report Winter 2010 Drilling Program, Falcon Lake Property

Thompson, M., and Henderson, A.[2] 2011 Assessment Report Winter 2010/2011 Drilling Program, Zigzag Property

Watkeys, M 2016 Crescent Lake Project Area, Ontario, Canada (Structural Study Report)

15 Date

This report was completed on October 11, 2016. Revisions were conducted in late November and December 2016.

16 Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Timothy Birt, of the CITY of ADELAIDE, in the STATE of SOUTH AUSTRALIA, hereby certify:

I am a graduate of Flinders University, Bedford Park, South Australia, with an Honours Bachelor of Science degree, majoring in Geology.

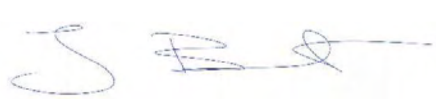
I have been employed as a Chief Geologist with Argonaut Resources NL since October, 2010.

Argonaut Resources NL and its Canadian subsidiary, Sunrise Canada Inc., currently in an option agreement with Canadian Orebodies on the Crescent Lake Project which consists of the Zig Zag and Falcon Lake properties.

I have no interest, either directly or indirectly, in the subject property.

This report is based on a study of all information made available to me, both published and unpublished, and on information collected in the field by myself and by Fladgate Exploration Consulting Corporation personnel, or provided to me during the period of June, 2016 to October, 2016.

Dated in Adelaide, South Australia, this 11th day of October, 2016.



Tim Birt

Appendices

Appendix I – CRESCENT LAKE PROJECT AREA, ONTARIO, CANADA (Regional Structural Study Report)

CRESCENT LAKE PROJECT AREA, ONTARIO, CANADA

by

M, K, Watkeys

EXECUTIVE SUMMARY

The orientation and *en echelon* nature of the Falcon Lake prospect pegmatites indicates that they are infilling T fractures the developed in an E-W striking sinistral transtensional strike-slip system. The pegmatites have varying dips and strikes. The steep dipping bodies may be intruding T fractures while shallower dipping bodies may be parallel to normal faults. The pegmatites may "blow" at the intersection of fractures giving potential shoots plunging sub-vertically, sub-horizontally NNE to SSW, and moderately N to NNW, NE, S to SSE and SW. The regular spacing of about 700 m between bodies suggests that there should be another pegmatite halfway between Falcon Lake and West Falcon Lake Discovery. Stress analysis suggests that the Falcon Lake and the Dempster prospects could lie along the same shear zone, opening up the possibility of bodies between these locations. The Tebishogesik Prospect comprises *en echelon*, left-stepping pegmatite lenses, dipping at about 59^{o} SE, that developed in an ENE-striking dextral strike-slip system. The structural control on this prospect and adjacent prospects along the southern margin of the greenstone belt may be a result of contact strain between the greenstone belt and the adjacent granitic rocks

INTRODUCTION

This report is the outcome of an investigation Li-bearing pegmatites in the Crescent Area of the Caribou Lake greenstone belt, Ontario that was undertaken for Argonaut Resources NL. The requirements were:

- To observe and assess the structural geology of the Crescent Lake Project Area
- Prepare and deliver a report detailing the findings under with specific reference to potentially economic mineralisation and its relationship to observed or interpreted geological structure.

The instructions were that the study should concentrate on the Falcon Lake and the Tebishogesik Prospects (Fig. 1) to assist with siting exploration boreholes.

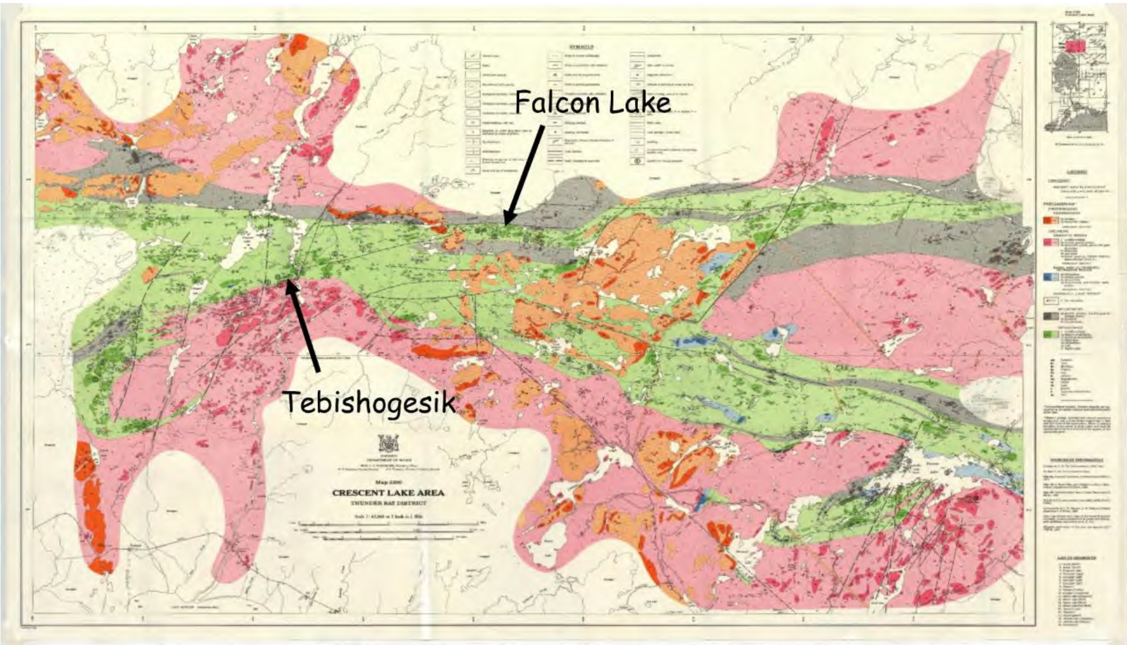


Figure 1: Locality of the Falcon Lake and Tebishogesik prospect on Pye's (1968) geological map

The study was undertaken in Thunder Bay and Timmins from 31st May-8th June 2016. Unfortunately it was not possible to go into the field because of the condition of access roads due to rain. I was provided with a structural database (COB_MappingStruct_V02_TB) of previous work that was compiled by Tim Birt (Argonaut Resources) for Map Info. Supplementary readings were obtained from borehole core stored in Timmins in the company of Tim Birt and Steve Greisen, a local contracted geologist.

Some general geology aspects

Pegmatites are notorious for bifurcating and consequently being somewhat apparently unconstrained with respect to orientation (Table 1). However there are certain basic principles of brittle deformation of rocks and dilation of fractures that may be used to predict their orientations. These are set out briefly in Appendix A.

Table 1: Dip, dip direction and trend variations in pegmatites of various prospects in the Crescent Lake area (from Pye, 1968)

Prospect	**dip variation**		**dip direction variation**	
N Aubrey	20	25	90	
S Aubrey	15	20	75	
Chappairs Lake	60		180	
Despard	10		20	350
Seymour Lake	0	5	270	
Falcon Lake Discovery	60		310	
Falcon Lake E	80		110	
Falcon Lake E	80		105	
Tebishogesik	55	70	165	170
Tebishogesik West	70	80	100	
Dempster East Dike N trend			45	
Dempster East Dike S trend			165	
Dempster L38 trend			65	
Dempster L40 trend			90	

The pegmatites reported on here occur mainly in the late Archaean supracrustals (metavolcanics and metasedimentary assemblages) with a few in the Tebishogesik prospect in the granitic rocks. The foliation in these prospects and surrounding areas defines a fold axis plunging at 42°/065° (Fig. 2). This orientation falls within the range of fold axes for the first deformation reported by Pye (1968) and the foliation seems to correspond to S_1 of Macdonald *et al*. (2009). It is not clear whether the fold axes reported are those to which S_1 is axial planer or are fold axes resulting from deformation of the foliation. In addition the data here indicate that there are differences between the fold axes derived from the foliation in the supracrustals and in the granitic rocks, but these issues are beyond the scope of this study.

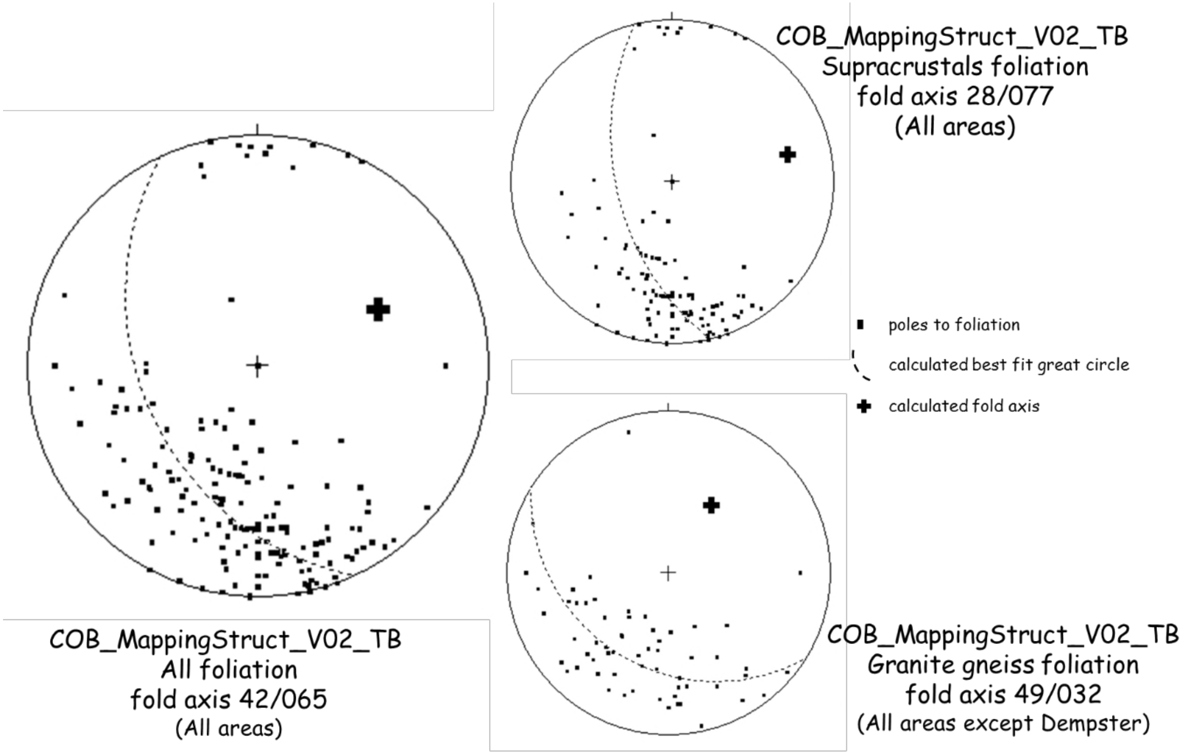


Figure 2: Stereonets for foliation in the Falcon Lake and Tebishogesik prospects and environs showing derived fold axes

FALCON LAKE PROSPECT

This comprises four prospects along a 4 km E-W corridor parallel to the regional strike of the foliation that dips steeply N and S (Figure 3a). No pegmatite orientation is available for Falcon Far West, but in the other prospects all the Li-bearing pegmatites strike approximately NNE-SSW (Table 2; Figure 3b).

Table 2: Dip and dip direction for Li-bearing pegmatites at Falcon Lake measured in core and from Pye (1968)

Prospect	core	dip	direction
Falcon Lake West	01-100 001	43	112
	01-100-002	82	138
	01-100-003	52	104
	Pye 1968	70 to 80	100
Falcon Lake Discovery	Pye 1968	60	310
Falcon Lake East	Pye 1968	steep	110

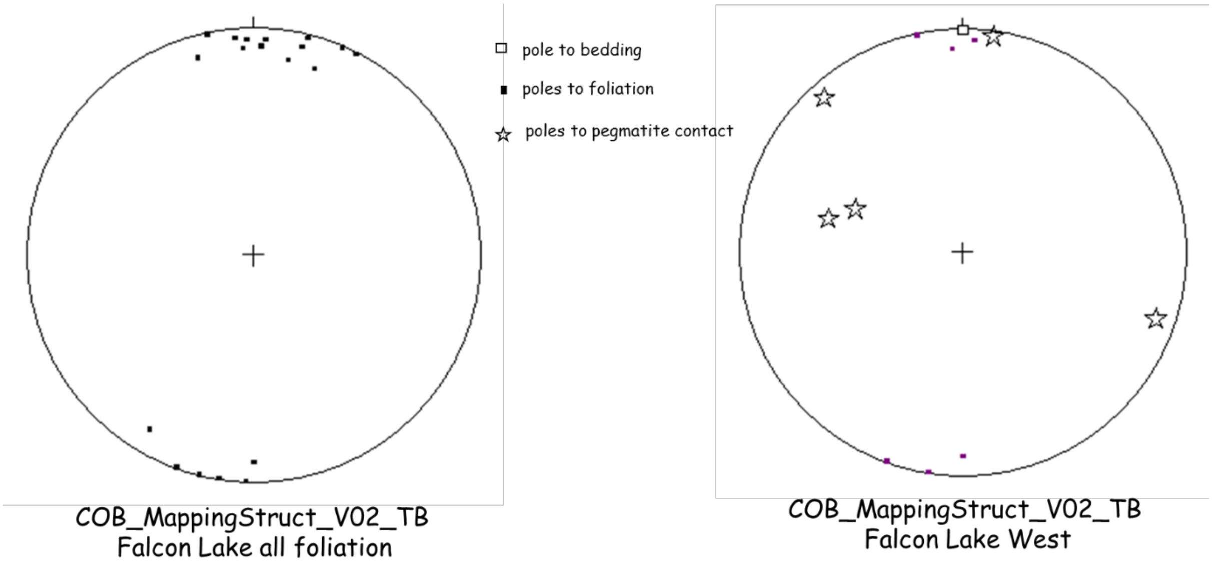
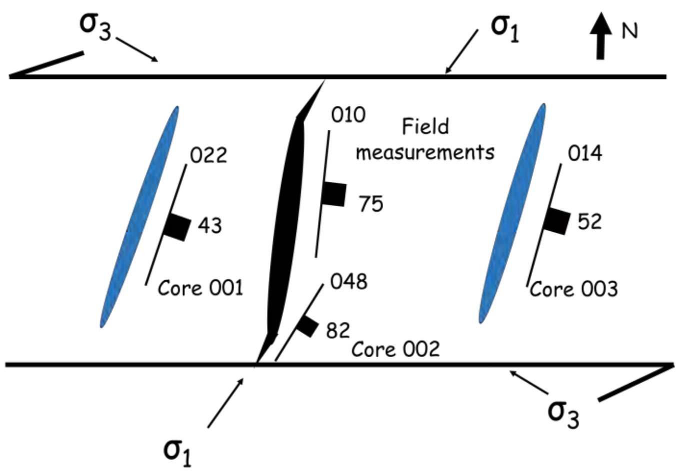


Figure 3: a) left plot shows foliation from all Falcon Lake prospects. b) right shows foliation and pegmatites from Falcon Lake West

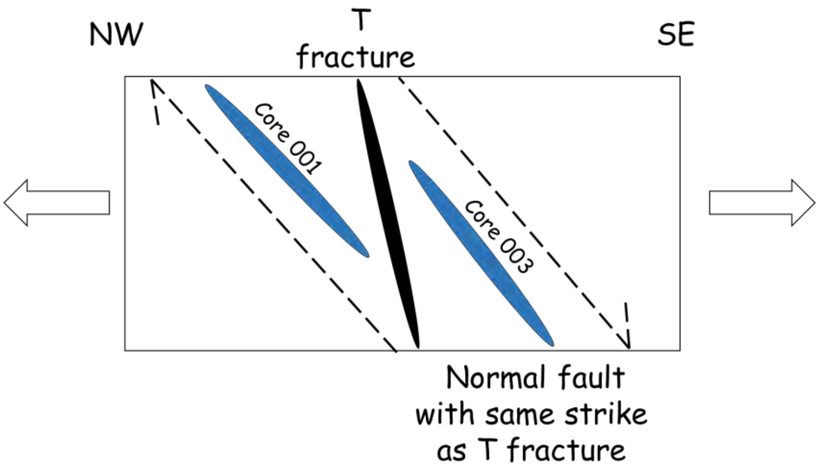
The *en echelon* orientation of the NNE- striking pegmatites within an E-W corridor suggests that these pegmatites are filling T fractures formed by an approximately E-W sinistral strike-slip system (see Appendix 1, Fig. A.1). However there is a variation in dip of those pegmatites, some with steep dips and others with more shallow dips towards the SE (Fig. 4). A pegmatite in Core 01-100-02 has a steep dip but with a different strike orientation to the other pegmatites. This is interpreted as being the tip of a sigmoidal pegmatite that is infilling an anticlockwise rotated T fracture (Fig. 4).

Figure 4: Schematic plan view of pegmatites measured in the field and in core in the Falcon Lake prospect. The black pegamtite is interpretated as being sigmoidal, infilling a rotated T fracture in a sinistral strike-slip system.. The blue pegamtites have a simialr strike to the sigmoidal pegamtite but shallower dips.



When viewed in section (Fig. 5), a possible interpretation is that the more shallow dipping pegmatites were intruded parallel to normal faults dipping towards the SE. Such faults are not usually represented in strike-slip systems (see Appendix 1) but may develop when that zone is transtensional either through the T fractures becoming rotational, domino-style normal faults or through normal faults with the same strike a T fractures as illustrated below.

Figure 5: Schematic cross-section illustrating the bimodal dips of pegmatites in the Falcon Lake prospect. The steeply dipping black pegmatite intruded a T fracture while the more shallowly dipping red pegmatites intruded parallel to normal faulting due to NW-SE extension produced in a transtensional sinistral strike-slip system.



The fact that the Falcon Lake prospect has pegmatites with similar strikes but different dips needs to be borne in mind when constructing cross-sections and estimating potential reserves. On top of that, the line of intersection between pegmatites is the potential position of a linear “blow” where the widening of the pegmatite will be a shoot following the plunge and plunge direction of the intersection. If the system here comprises a sinistral strike slip-system only, then that line of intersection will be subvertical where the T, R and R’ fractures intersect (Fig 6 left, bottom and top). If the transtensional system only consists of a T fracture and conjugate normal faults, then that line of intersection will be sub-horizontal (Fig, 6, right bottom and top). However it seems that the system is transtensional and, therefore, a combination of the two. Therefore there are four additional potential directions where the R and R’ shears intersect with the pair of conjugate shears (Fig. 6, top centre): moderately plunging N to NNW, NE, S to SSE and SW.

There appears to be a regular spacing of about 700 m between the Falcon Lake Far West and Falcon Lake West pegmatites, and a similar spacing between the Falcon Lake Discovery and Falcon Lake East pegmatites. This suggests that there should be another pegmatite equidistance between Falcon Lake West and Falcon Lake Discovery.

Assuming that the pegmatites are infilling the T fracture, by making some other assumptions it is possible to undertake stress analysis which will allow the prediction of the orientation and sense of movement of other fractures. The pegmatite defines the σ_1- σ_2 plane (Appendix 1) and assuming that the strike-slip system relates to the regional compression that deformed the foliation, as a first approximation σ_2 can be taken to be the regional fold axis in Fig. 2 .As this deformation took place under ductile rather than brittle conditions, an angle of 50^o is probably a better estimate of the angle between σ_1 and the conjugate shears rather than the 30^o used in brittle deformation (Appendix 1).

Taking all of these assumptions into consideration, stress analysis was applied to a pegmatite at 68m depth in core 01-10-001 from Falcon Lake West (Fig. 7). This predicts a sinistral conjugate R shear with a dip of 82^o SE and a strike of 062^o, and a dextral conjugate R’ shear with a dip of 40^o NE and a strike of 302^o, The latter orientation is close to NW-trending fractures on Pye’s 1968 map while the former orientation is close to a trend that extends to the Dempster prospect.

It is suggested here that such conjugate shears are the product of regional E-W extension, responding to N-S compression, and forming a subtle neck in the Lake Caribou greenstone belt (Fig. 1, Fig. 8). This model accounts for the development of the Falcon Lake pegmatites and indicates that there may be other bodies in a corridor leading down to the Dempster prospect. The model predicts that there should be other bodies further SW, and such bodies occur around the Tebishogesik prospect. However, as will be shown, these bodies are associated with dextral and not sinistral strike-slip.

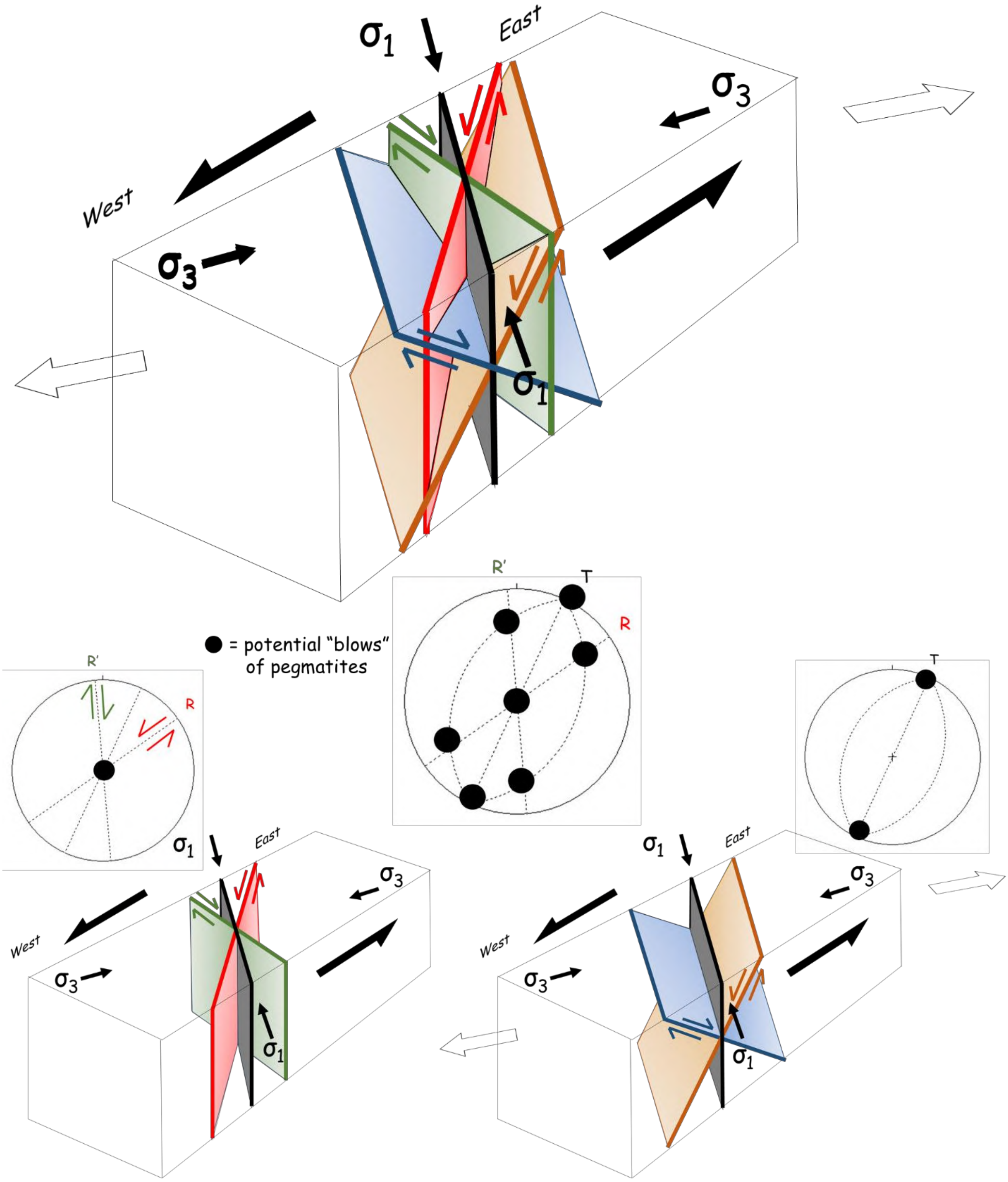


Figure 6: Illustration of intersections between fractures in a sinistral-strike-slip system (left, bottom block diagram and stereonet) and a conjugate normal fault system (right bottom block diagram and stereonet). The combination of the two in a sinistral transtensional strike-slip system (top block diagram) results in additional intersections as shown in the stereonet in the centre

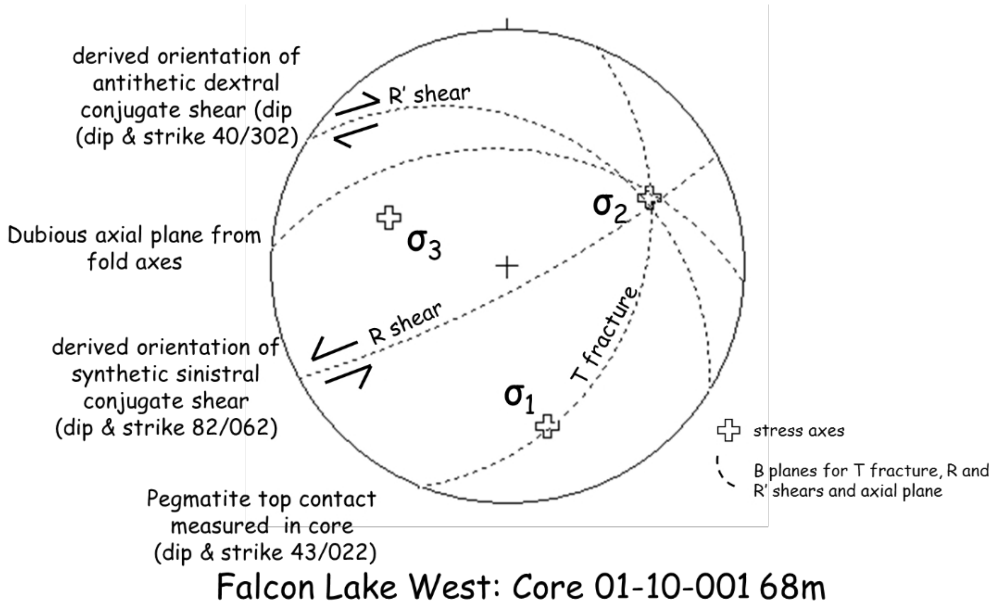


Figure 7: Stress analysis using orientation of a pegmatite in core at Falcon Lake West to derive the orientation of conjugate shears.

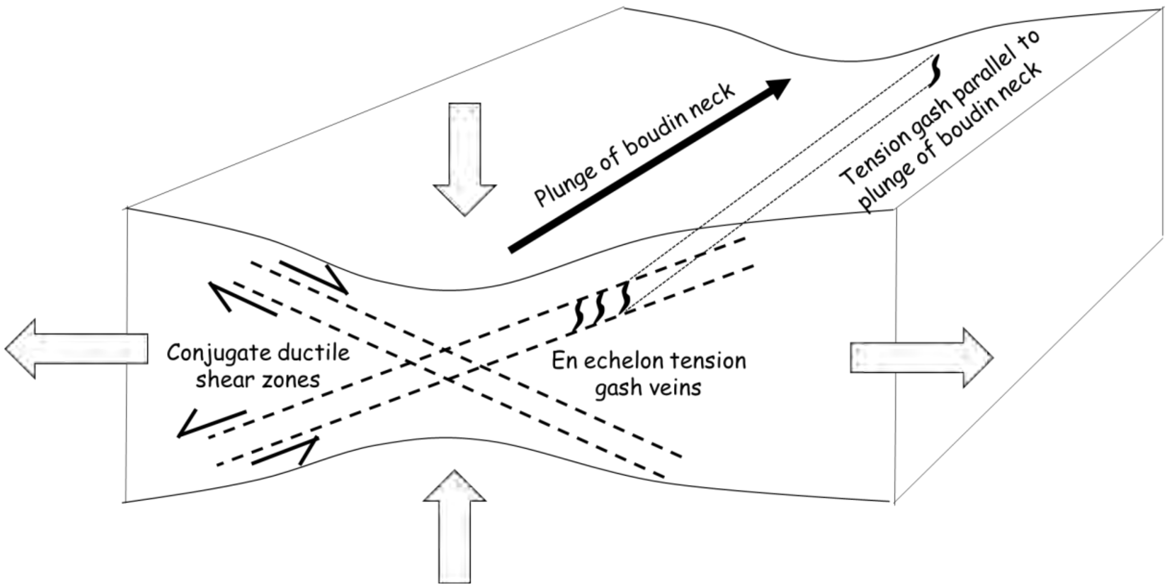


Figure 8: Model for the origin of the sinistral shear zone hosting the Falcon West pegmatite bodies which are shown in black. Note present surface of the Earth is shown as a vertical plane facing the viewer to assist with visualising downward extension of the pegmatites.

TEBISHOGESIK PROSPECT

This prospect occurs along the southern margin of the greenstone belt and into the adjacent granitic rocks (Fig. 1). Here the regional foliation dips steeply N and indicates the presence of folding plunging at 71^{o} to 050 ^{o} (Fig. 9). Both Pye (1968) and MacDonald *et al.* (2009) report steep plunges to folds adjacent to the granitic rocks and ascribe this deformation to intrusion of those bodies.

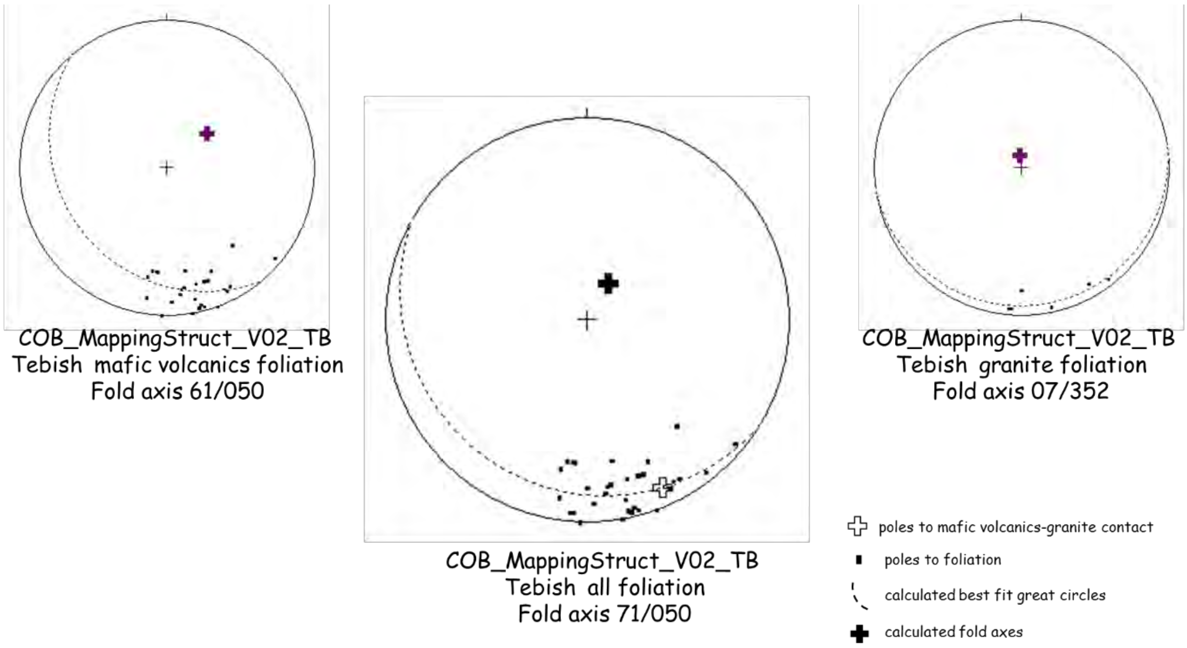


Figure 9: Stereonets plotting foliation in the Tebishogesik Prospect

The pegmatites of prospect comprise a series of WNW to W striking lenses that have a left-stepping *en echelon* pattern within and ENE-striking corridor (Fig. 10). The slight sigmoidal shape to the lenses indicate that they have been rotated clockwise. All of this reveals that the pegmatites intruded T fractures in a dextral strike-slip system, with the tips of the lenses giving the orientation of σ_1.

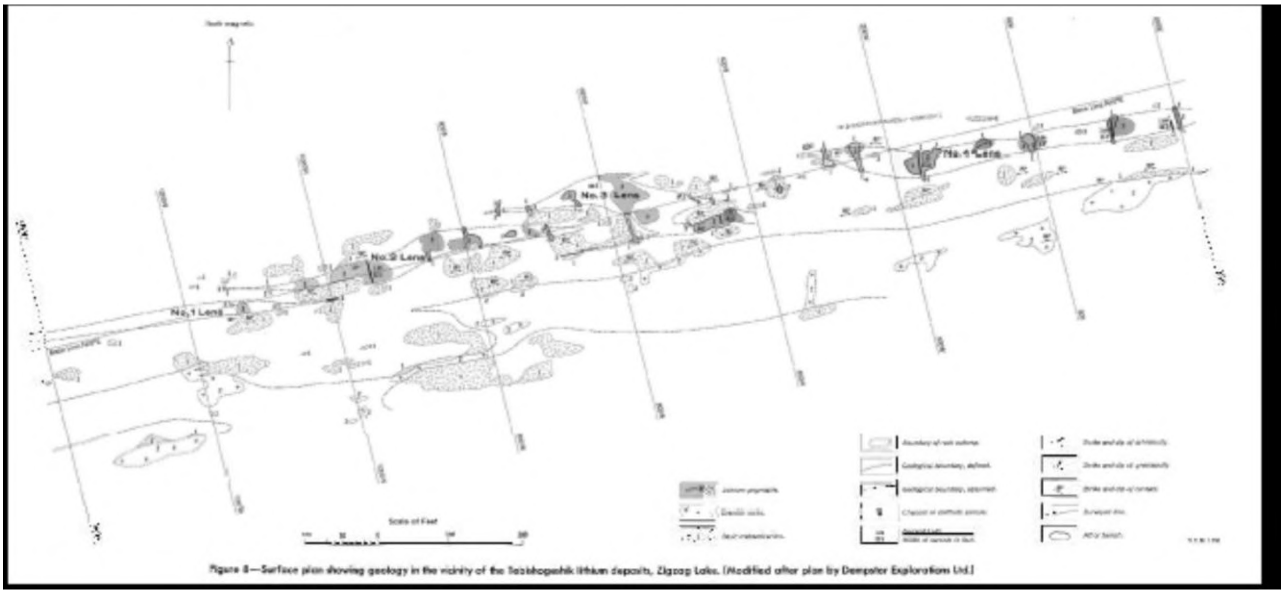


Figure 10: Map of the Tesbishogesik Prospect (from Pye, 1968)

The database provided had trends of pegmatites from this respect but no dips. Therefore dip and dip direction had to be measured from the core. However the core was not orientated so, knowing the plunge and plunge direction of the core, the core was orientated as best as possible using the foliation (Table 3).

Table 3: Orientation of pegmatites from core, Tebishogesik Prospect. (N.B. measured by orienting core using the foliation therefore dip is ± 5° and dip direction ± 10°.

Borehole	depth (m)	top/base of pegmatite	dip	direction
4	60	base	65	135
5	30	top	60	150
6	12	base	70	140
8	18.5	base	55	150
9	27	top	50	150
10	61.8	top	65	150
11	23	top	55	155
	30.5	top	55	165

Plotting the above readings together with the trend readings from the database revealed that the orientation of the pegmatites measured in the core corresponded with most of the pegmatites trends in the database (Fig. 11). The average dip of the pegmatites 59° SE, striking 059°.

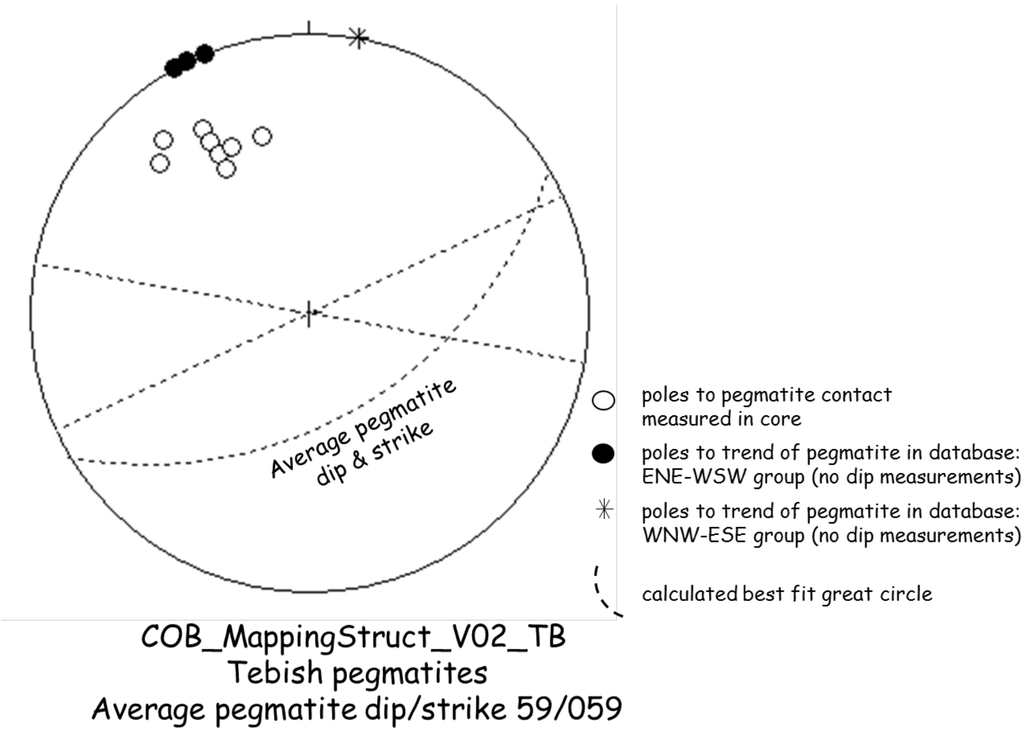


Figure 11: Stereonet plotting the trends of pegmatites from the database together with the orientation of pegmatites measured in core (Table 3), Tebishogesik Prospect.

As the pegmatites are infilling T fractures, it is possible to use the geometry shown in Appendix 1 to estimate the dip of the shear zone hosting the pegmatites. There are three possibilities (Fig. 12). The first is that that the ENE-striking shear is a strike-slip zone with no vertical movement. There second is that it is a normal shear zone dipping to the NW and the third is that it is a normal shear zone dipping to the SE.

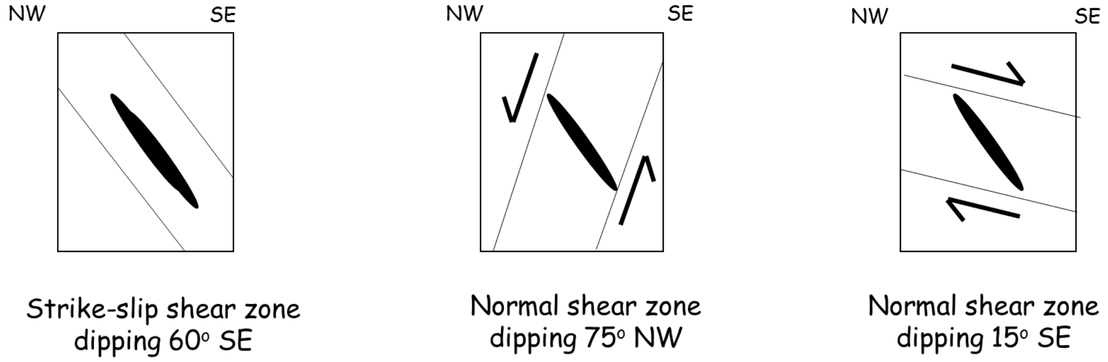


Figure 12: Schematic cross-sections through the Tebishogesik Prospect showing the three possible shear zone sense and orientations to account for the dip of the pegmatites.

With the present data it is not possible to state which of the three is correct. The second possibility would mean that the shear zone is following the contact with the granitic rocks. However in plan the trend of the prospects cuts across that contact. Therefore the first possibility may be more likely (Figure 13).

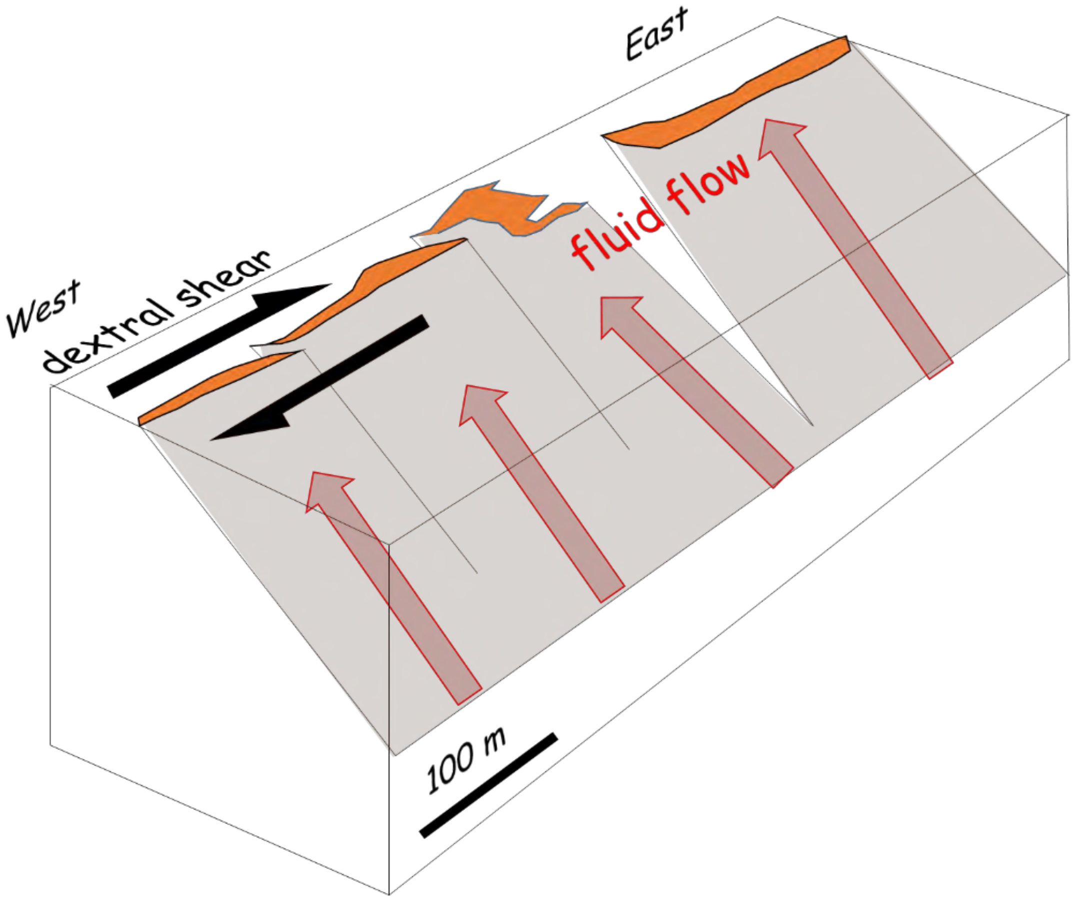


Figure 13: Schematic 3D sketch of the Tebishogesik Prospect viewed from the SW assuming that the pegmatites (orange in outcrop; pink in underground extension formed in a dextral strike-slip shear that dips SE.

It was pointed out earlier that the Tebishogesik Prospect is on a trend extending from the sinistral strike-slip shear forming the Falcon Lake pegmatites. Clearly the dextral strike-slip shear at Tebishogesik Prospect does not fit this model (Fig. 14). Either there have been errors in interpreting the shears at one of these localities, or there have to be two different shear zones. It is not possible to resolve this issue with the present available data. One explanation may be that at Tebishogesik there is a localised strain variation due to the development of a contact strain zone between the greens stones and the granites. Should this be the case then, as granite is more competent than greenstone, wider pegmatites may have developed within the granitic rocks.

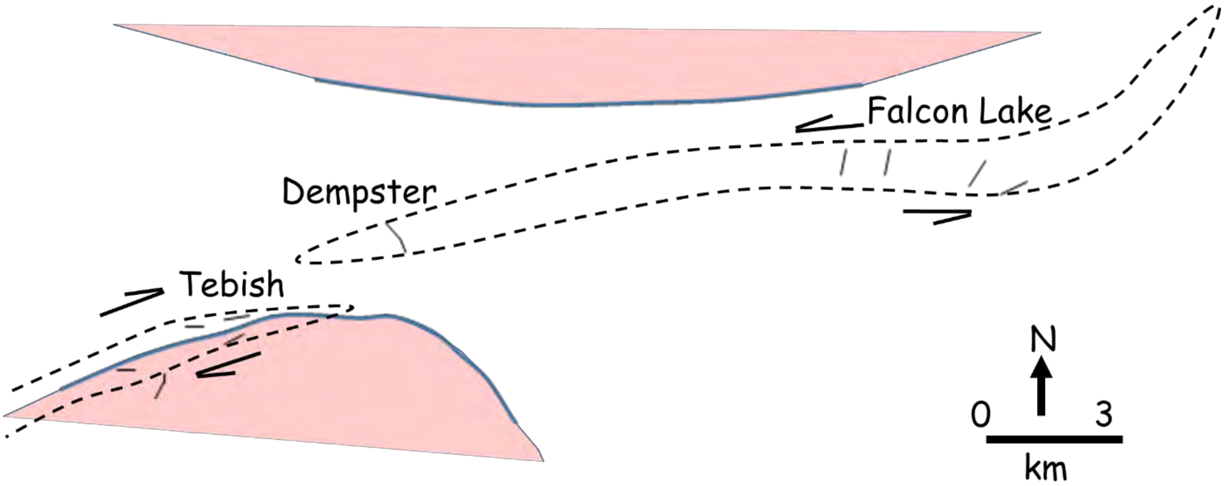


Figure 14: Schematic sketch of the enigmatic situation with the Falcon Lake- Dempster prospects sinistral shear zone and the Tebishogesik Prospect dextral shear zone.

References

MacDonald, C.A., ter Meer, M., Lowe, D., Isaac C. and Stott, T.M. 2009. Precambrian Geology of the Lake Caribou greenstone belt, northwestern Ontario. Ontario Geological Survey, Preliminary Map P3613, scale 1:50 000.

Pye, E.G. 1968. Geology of the Crescent Lake Area; Ontario Department of Mines, Geological Report 55, 72p.

Final Version 15th June 2016

APPENDIX 1: CONTROLS ON PEGMATITE AND CRYSTAL ORIENTATION

Pegmatites inject along fractures and during brittle failure of rocks there are a number of fractures that develop in reasonably predictable orientations which are illustrated below for a sinistral strike-slip system (Fig. A.1).

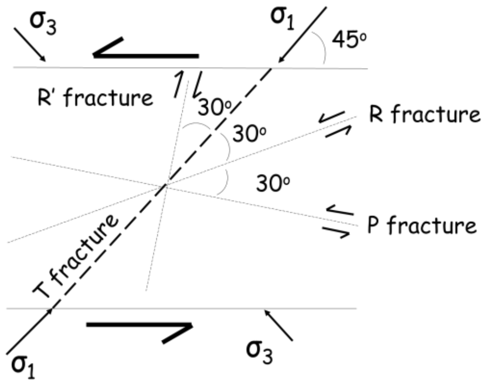


Figure A.1: Expected orientation of fractures formed during brittle deformation in a sinistral strike-slip system. For a dextral system, the pattern will be a mirror image. σ_1 = maximum compressional stress axis; σ_2 = intermediate compressional stress axis; σ_3 = minimum compressional stress axis. T fracture = tension or extension fracture; R fracture= synthetic conjugate shear; R' fracture= antithetic conjugate shear; P fracture = secondary synthetic shear.

The T fracture is usually the initial fracture infilled by pegmatite. This fracture develops in the σ_1- σ_2 plane, dilating in the direction of σ_3. During dilation, crystal develop in the direction of σ_3 and therefore become orientated normal to the pegmatite contact (Fig. A.2a). As the pegmatite rotates during shearing, the orientation of the walls changes but the direction of crystal growth remains the same. Consequently the crystals within the pegmatite are not normal to the pegmatite walls (Fig. A.2b).

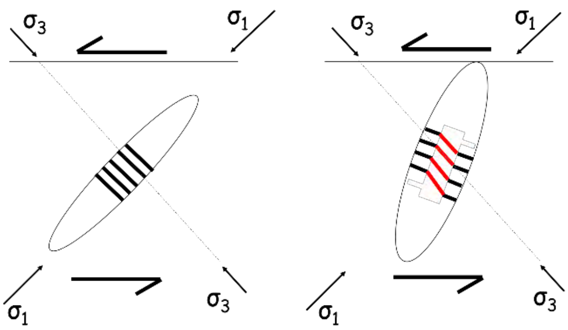


Figure A.2: a) Left diagram showing initial dilation of T fracture developed in a sinistral strike-slip system and accompanying crystal growth normal to pegmatite wall. b) Anticlockwise rotation of the pegmatite and early crystals during sinistral shearing. Later crystals grow parallel to σ_3 and are not normal to the pegmatite wall.

If the fluid injects a fracture other than the T fracture, then that fracture will dilate and crystals will grow in the direction of σ_3. This direction will not be normal to the pegmatite wall (Fig. A.3a). With shearing and rotation of the pegmatite, the walls may become normal to σ_3 in which case the crystals growing at that time will be normal to the walls (Fig. A.3b). Observing this in the field leads to the deduction that the pegmatite may not have formed along the T fracture.

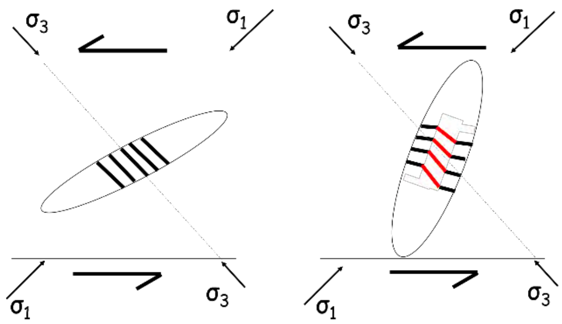


Figure A.3: a) Left diagram showing initial dilation of a R fracture developed in a sinistral strike-slip system and accompanying crystal growth which is oblique to the pegmatite walls. b) Anticlockwise rotation of the pegmatite and early crystals during sinistral shearing. When pegmatite walls are normal to σ_3 the later crystals grow normal to the pegmatite walls.

The dilation of fractures will result in slightly different structures depending on whether the fractures were originally overlapping or not. When overlapping, if the fractures are straight, bent and broken bridges will result whereas if they are curved, rotated bridges eventually develop (Fig. A.4). Fluid flow is along the dilated fractures, i.e. parallel to the strike of the bridges as in the shown orientation.

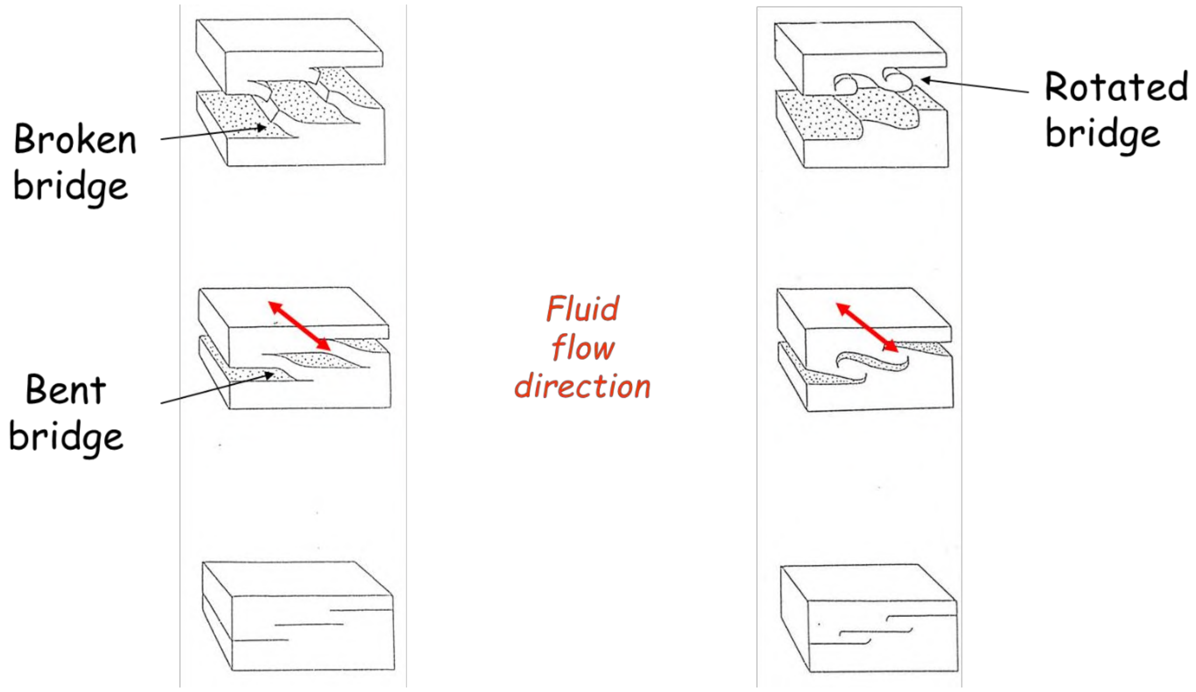
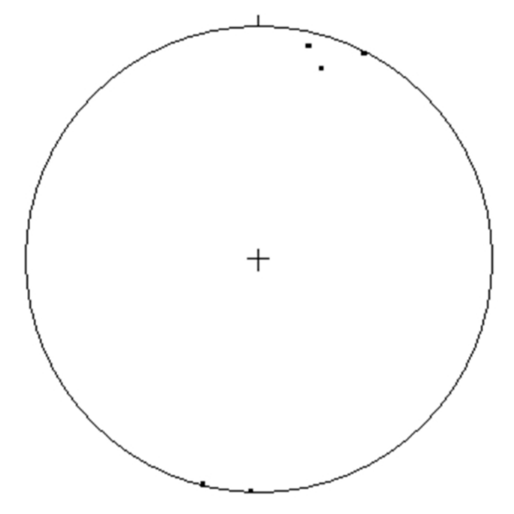


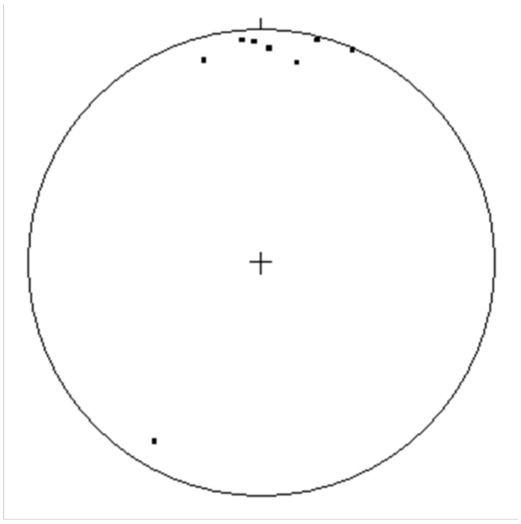
Figure A.4: Left column shows from bottom to top the dilation of overlapping straight fractures while the right column shows the dilation of overlapping curved fractures. After Nicholson and Pollard (1985) *J. Struct. Geol.*, **7**, 583-590.

APPENDIX 2: STEREONETS PLOTTED FROM THE DATABASE BUT NOT UTILISED IN THIS REPORT

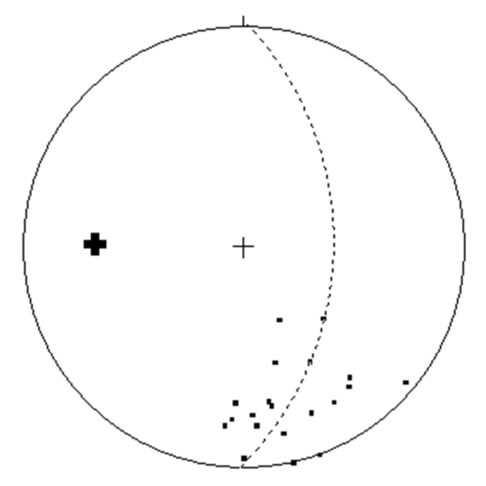


COB_MappingStruct_V02_TB
Falcon Lake Discovery foliation

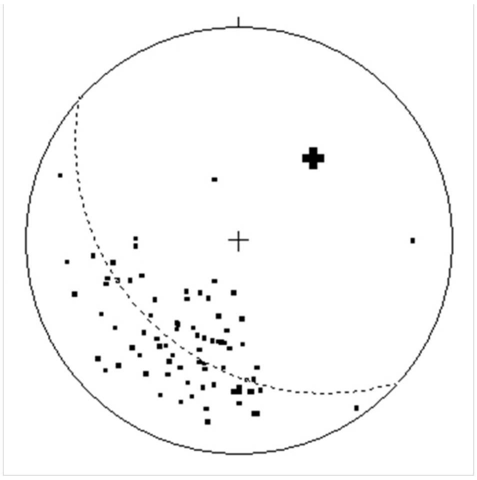
poles to foliation



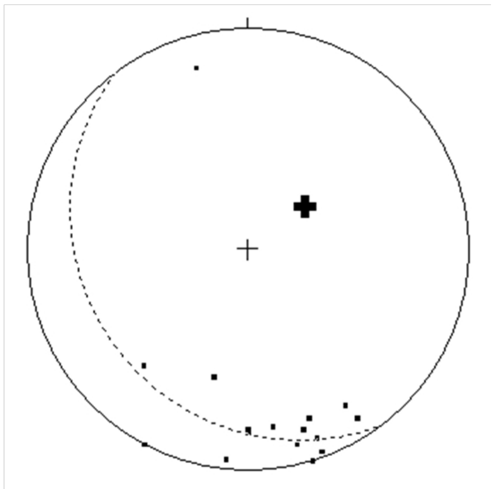
COB_MappingStruct_V02_TB
Falcon Lake E foliation



COB_MappingStruct_V02_TB
Zigzag regional foliation
Fold axis 33/271



COB_MappingStruct_V02_TB
Area 1 foliation
Fold axis 47/042



COB_MappingStruct_V02_TB
Dempster E foliation
Fold axis 64/053

poles to foliation

calculated best fit great circle

calculated fold axis

Appendix II – Schedule of Costs

Description	Total Cost (CAD) including HST	Planning, drill and data compilation, reconnaissance	Regional Structural Study	Diamond Drilling Program
Personnel - Employees (Project Management)	$18,867.19	$6,289.06	$5,031.25	$7,546.88
Personnel -Contract- Professional (Geologist)	$17,967.00	$0.00	$0.00	$17,967.00
Personnel - Contract- Camp Logistics / Labor (Geotechnician)	$9,322.50	$0.00	$2,796.75	$6,525.75
Personnel Support - Accommodation	$5,987.00	$0.00	$2,095.45	$3,891.55
Personnel Support - Travel - domestic	$1,673.55	$0.00	$1,004.13	$669.42
Personnel Support - Communications	$1,042.61	$0.00	$0.00	$1,042.61
Geology - Specialist Consulting (Structural)	$12,003.06	$0.00	$12,003.06	$0.00
Drilling - Diamond Drilling	$74,038.19	$0.00	$0.00	$74,038.19
Drilling - Drill Assay	$7,950.51	$0.00	$0.00	$7,950.51
Drilling - Consumables	$1,523.24	$0.00	$0.00	$1,523.24
Field Support - Vehicles	$5,807.05	$580.71	$1,742.12	$3,484.23
Field Support - Fuel (vehicles)	$2,163.02	$216.30	$1,081.51	$865.21
Field Office/Camp - Food	$3,090.74	$0.00	$0.00	$3,090.74
Field Office/Camp	$2,408.82	$0.00	$0.00	$2,408.82
Field Office/ Camp - Equipment Rentals	$649.75	$0.00	$0.00	$649.75
Field Office/Camp - Office Consumables	$556.65	$0.00	$0.00	$556.65
Field Office/Camp - General Administration	$130.73	$0.00	$0.00	$130.73
TOTAL	**$165,181.60**	**$7,086.07**	**$25,754.26**	**$132,341.27**

Mining Claim	Showing / Occurrence	Planning, drill and data compilation, reconnaissance % allocated	Planning, drill and data compilation, reconnaissance expenditure allocated	Regional Structural Study % allocated	Regional Structural Study expenditure allocated	Diamond Drilling Program % allocated	Diamond Drilling Program expenditure allocated	Total allocated for claim
4252441	Falcon Lake West	20%	$1,417.21	20%	$5,150.85	40%	$52,937	$59,504.57
4252442				2.5%	$643.86			$643.86
4250593	Falcon Lake West	10%	$708.61	15%	$3,863.14	60%	$79,405	$83,976.51
4250594	Falcon Lake Discovery and East	20%	$1,417.21	5%	$1,287.71			$2,704.93
4250595				5%	$1,287.71			$1,287.71
4213186	Dempster East	10%	$708.61	10%	$2,575.43			$3,284.03
4213187				2.5%	$643.86			$643.86
4229526				2.5%	$643.86			$643.86
4244211	Tebishogeshik	30%	$2,125.82	25%	$6,438.57			$8,564.39
4244212		10%	$708.61	5%	$1,287.71			$1,996.32
4244213				5%	$1,287.71			$1,287.71
4252421				2.5%	$643.86			$643.86
Totals		**100%**	**$7,086.07**	**100%**	**$25,754.26**	**100%**	**$132,341.27**	**$165,181.60**

Appendix III – Work Schedule

Legend

(white)	(yellow)	(orange)
Thunder Bay - office	Timmins - core logging	Falcon Lake - field

	Fladgate Personnel			Sunrise Canada Personnel/Consultants		
Date	Stephen Greiner	Jesse Koroscil	Mike Thompson/Neil Pettigrew/Other	Tim Birt	Lindsay Owler	Mike Watkeys
26-May-16				1		
27-May-16	0.5			1		
28-May-16				1		
29-May-16				1		
30-May-16				1		
31-May-16		1	1	1		1
01-Jun-16	1	1	1	1		1
02-Jun-16	1	1	1	1		1
03-Jun-16	1	1	1	1		1
04-Jun-16	1	1	1	1		1
05-Jun-16	1			1		1
06-Jun-16				1		1
07-Jun-16				1		1
08-Jun-16				1		
09-Jun-16				1		
10-Jun-16				1		
11-Jun-16				1		
12-Jun-16				1		
13-Jun-16	0.5	0.5	0.5	1		
14-Jun-16	1	1		1		
15-Jun-16	1	1		1		
16-Jun-16	1	1		1		
17-Jun-16	1	1		1		
18-Jun-16	1	1		1		
19-Jun-16	1	1		1		
20-Jun-16	1	1		1		
21-Jun-16	1	1		1		
22-Jun-16	1	1		1		
23-Jun-16	1	1		1	1	

	Fladgate Personnel			Sunrise Canada Personnel/Consultants		
Date	Stephen Greiner	Jesse Koroscil	Mike Thompson/Neil Pettigrew/Other	Tim Birt	Lindsay Owler	Mike Watkeys
24-Jun-16	1	1		1	1	
25-Jun-16	1	1			1	
26-Jun-16	1	1			1	
27-Jun-16	1	1			1	
28-Jun-16	1	1			1	
29-Jun-16	1					

Appendix IV – Certificates of Analysis

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 5- JUL- 2016
This copy reported on
7- JUL- 2016
Account: SCIGLQRR

CERTIFICATE TB16097665

Project: Falcon Lake

P.O. No.: Sunrise01

This report is for 38 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 20- JUN- 2016.

The following have access to data associated with this certificate:

TIM BIRT		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- MS81	Lithium Borate Fusion ICP- MS	ICP- MS
Li- OG63	Ore grade Li - 4ACID	ICP- AES
ME- OG62o	Ore Grade open beaker - ICPAES	ICP- AES

To: SUNRISE CANADA INC.
ATTN: TIM BIRT
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 5- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16097665

Sample Description	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R413001	2.35	0.05	7.48	1.1	60	2.19	0.11	6.70	0.20	12.15	51.5	112	55.4	83.4	10.65
R413002	2.09	0.01	6.96	2.2	70	115.5	0.18	0.29	<0.02	0.17	1.1	10	266	2.8	0.52
R413003	1.66	0.03	6.86	0.8	50	139.5	0.44	0.36	0.06	0.08	0.3	9	301	1.7	0.36
R413004	2.75	<0.01	7.16	0.7	70	221	2.78	0.53	0.12	0.18	0.3	10	183.0	3.8	0.65
R413005	1.87	0.03	7.08	1.1	50	233	19.65	0.38	0.07	0.13	0.2	11	122.5	1.3	0.64
R413006	2.03	0.02	7.11	0.9	50	154.5	20.8	0.47	0.17	0.29	0.5	9	265	1.8	0.59
R413007	1.88	0.02	6.62	0.7	30	158.5	2.32	0.31	0.08	0.05	0.1	9	117.5	1.0	0.43
R413008	2.09	0.01	7.39	0.4	50	178.5	20.7	0.46	0.11	0.14	0.3	10	182.0	1.5	0.58
R413009	1.44	0.01	7.33	1.0	30	161.0	3.89	0.39	0.12	0.13	0.6	10	124.0	1.1	0.56
R413010	<0.02	0.08	7.34	4.7	<10	585	0.72	0.35	<0.02	0.31	1.6	194	47.2	6.8	0.55
R413011	0.69	0.04	6.92	<0.2	900	1.34	0.07	1.02	0.02	145.5	3.8	10	2.51	8.8	1.49
R413012	2.21	<0.01	7.06	0.6	70	142.5	6.09	0.45	0.35	0.18	0.2	8	171.0	0.6	0.48
R413013	1.79	0.01	7.07	0.9	60	164.5	5.17	0.35	0.11	0.13	0.3	8	194.5	4.1	0.45
R413014	1.95	0.01	6.75	0.6	70	132.0	4.03	0.48	0.13	0.08	0.3	9	142.0	5.2	0.52
R413015	2.60	0.01	7.24	7.1	110	146.0	4.81	0.48	0.22	0.21	1.0	13	227	14.6	0.56
R413016	1.42	0.18	7.57	4.4	150	1.56	0.72	6.41	0.56	25.9	52.1	77	52.9	177.5	10.00
R413017	1.32	0.04	7.18	1.7	90	92.0	4.93	0.56	0.04	0.36	1.0	7	157.5	13.2	0.71
R413018	1.19	0.02	7.04	0.3	50	168.5	10.05	0.51	0.10	0.19	0.4	8	100.0	6.3	0.69
R413019	2.39	0.01	7.30	10.1	120	124.0	2.36	0.81	0.03	0.11	1.0	20	221	2.4	0.44
R413020	1.30	0.02	7.36	0.8	90	195.0	1.86	0.64	0.12	0.23	0.6	8	149.5	3.6	0.75
R413021	1.96	<0.01	7.27	0.5	60	178.0	3.09	0.54	0.17	0.10	0.2	10	89.5	3.4	0.54
R413022	1.87	0.03	7.15	0.8	40	200	5.44	0.64	0.13	0.13	0.2	9	64.8	4.4	0.54
R413023	2.03	0.02	6.79	1.0	60	164.0	4.15	0.74	0.25	0.20	0.6	9	77.7	9.8	0.53
R413024	2.46	<0.01	7.24	0.5	70	175.5	3.51	0.90	0.04	0.09	0.2	8	45.5	5.2	0.57
R413025	1.79	0.02	7.00	0.8	120	134.0	2.46	1.28	0.36	0.43	0.7	9	123.5	2.8	0.48
R413026	2.37	<0.01	7.02	1.1	210	152.0	12.50	1.21	0.11	0.27	0.4	8	165.5	4.4	0.45
R413027	1.95	0.03	8.16	0.5	210	53.7	4.02	0.35	0.18	0.08	0.2	8	299	2.7	0.35
R413028	1.40	0.01	6.82	0.7	170	157.0	1.26	0.56	0.11	0.11	0.3	9	54.4	1.3	0.46
R413029	1.51	0.16	7.76	1.1	150	170.5	0.96	0.67	0.07	1.12	17.5	15	50.8	243	1.32
R413030	<0.02	0.10	7.45	3.8	10	585	0.78	0.36	<0.02	0.33	1.5	191	47.7	6.7	0.56
R413031	0.65	0.04	6.87	0.2	990	1.12	0.03	0.90	0.02	113.5	3.2	9	2.10	5.0	1.35
R413032	2.16	0.40	7.69	3.4	140	3.53	0.43	6.32	0.87	9.85	65.5	151	24.1	390	9.82
R413033	3.21	0.03	6.85	0.8	10	128.0	0.46	0.18	0.20	0.16	0.2	11	57.3	0.9	0.56
R413034	2.92	0.03	6.91	0.8	10	116.0	1.45	0.12	0.13	0.05	0.3	11	68.0	3.9	0.53
R413035	1.37	0.01	6.68	1.8	10	79.3	8.85	0.16	0.21	0.13	0.2	13	467	0.5	0.46
R413036	0.87	0.06	7.43	0.3	930	0.41	0.06	1.25	0.07	65.9	5.5	10	2.14	2.1	1.34
R413037	1.20	0.07	6.73	0.4	160	0.58	0.08	1.30	0.08	9.18	1.7	8	2.83	2.1	1.44
R413038	1.29	<0.01	6.97	0.6	180	60.2	2.10	0.54	0.31	0.53	0.3	8	170.0	0.8	0.36

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 5-JUL-2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16097665

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R413001		17.80	0.12	1.2	0.092	0.43	4.1	1270	4.27	1970	0.27	1.27	3.1	94.4	460	5.7
R413002		52.4	0.06	0.8	<0.005	2.50	<0.5	5960	0.04	318	0.18	2.59	49.4	14.2	1120	3.7
R413003		51.5	0.05	0.8	0.007	3.02	<0.5	4350	0.02	403	0.10	3.00	67.7	1.5	2040	4.1
R413004		69.7	<0.05	0.6	<0.005	1.65	<0.5	5920	0.02	647	0.16	2.87	109.0	2.6	2800	2.8
R413005		70.0	<0.05	0.6	<0.005	1.37	<0.5	6850	0.02	481	0.17	2.72	86.1	1.6	1690	2.5
R413006		68.5	0.05	0.4	<0.005	3.09	<0.5	7320	0.03	450	0.18	1.89	91.5	1.9	2340	6.1
R413007		55.6	<0.05	0.7	<0.005	1.52	<0.5	4380	0.01	287	0.12	3.65	68.6	1.3	1490	2.4
R413008		74.7	<0.05	0.7	<0.005	2.30	<0.5	7120	0.02	426	0.17	1.97	108.0	1.1	2210	5.5
R413009		68.7	<0.05	1.1	<0.005	1.27	<0.5	7810	0.02	343	0.12	2.70	109.5	1.1	1580	6.8
R413010		44.7	0.06	2.2	<0.005	0.22	<0.5	>10000	0.03	978	0.31	0.62	115.0	4.2	7430	4.7
R413011		18.15	0.19	6.6	0.010	3.95	77.4	28.8	0.27	238	0.96	2.59	6.0	7.1	410	40.0
R413012		57.5	0.07	2.0	<0.005	2.29	<0.5	3510	0.02	317	0.12	3.52	129.0	1.0	2320	4.0
R413013		57.9	0.05	1.4	<0.005	2.31	<0.5	6500	0.02	296	0.16	2.97	78.9	1.1	1720	4.3
R413014		56.9	<0.05	1.1	0.006	1.55	<0.5	4200	0.03	221	0.14	3.73	66.6	1.2	2100	3.2
R413015		54.3	0.07	1.3	<0.005	2.95	<0.5	5020	0.07	226	0.15	2.66	79.5	5.5	1880	8.5
R413016		22.0	0.07	2.9	0.073	0.56	11.2	490	3.80	2630	0.57	1.79	6.2	109.5	640	47.1
R413017		63.4	0.05	1.5	<0.005	1.89	<0.5	5690	0.07	346	0.17	2.80	107.0	1.4	1570	8.2
R413018		67.2	<0.05	0.8	<0.005	1.39	<0.5	5960	0.06	346	0.13	2.59	88.7	1.0	1720	5.6
R413019		55.1	0.05	3.6	<0.005	3.66	<0.5	2720	0.12	220	0.15	3.13	107.0	9.3	2130	5.3
R413020		76.0	0.06	1.2	<0.005	2.17	<0.5	6000	0.08	366	0.14	1.93	178.0	0.8	2290	7.3
R413021		54.2	0.05	0.8	<0.005	1.98	<0.5	3030	0.04	272	0.16	3.60	67.9	0.7	1570	3.3
R413022		61.8	<0.05	0.7	<0.005	1.38	<0.5	4170	0.03	299	0.14	3.39	88.3	0.8	1580	3.0
R413023		61.6	<0.05	0.6	<0.005	1.63	<0.5	5440	0.02	410	0.14	2.65	89.2	0.7	2060	8.2
R413024		62.8	<0.05	0.3	<0.005	1.18	<0.5	4550	0.03	366	0.13	3.31	80.1	0.7	1540	4.1
R413025		57.9	0.07	0.3	<0.005	3.49	<0.5	4820	0.03	383	0.18	2.07	39.5	0.8	3930	12.1
R413026		59.7	0.05	1.2	<0.005	3.47	<0.5	4770	0.04	258	0.17	2.11	48.9	0.7	2880	4.1
R413027		40.4	0.06	0.2	<0.005	4.80	<0.5	1740	0.02	128	0.16	2.44	17.9	0.7	1510	9.2
R413028		43.7	0.06	0.2	<0.005	3.10	<0.5	490	0.03	203	0.15	3.35	64.0	0.8	1550	5.7
R413029		49.2	0.07	0.6	<0.005	2.47	0.5	359	0.37	302	0.21	4.14	69.2	27.6	1350	6.5
R413030		43.4	0.05	2.3	<0.005	0.23	<0.5	>10000	0.04	1020	0.29	0.62	115.5	4.0	7580	4.9
R413031		16.95	0.17	6.4	0.012	4.42	61.1	22.6	0.22	196	0.54	2.42	3.8	3.1	350	37.3
R413032		20.7	0.11	0.6	0.092	0.69	3.7	550	4.24	2210	0.35	1.43	3.4	155.5	320	33.7
R413033		64.8	<0.05	0.9	<0.005	0.97	<0.5	>10000	0.01	467	0.15	2.07	77.7	0.9	1120	4.6
R413034		57.4	<0.05	0.4	<0.005	1.87	<0.5	8120	0.01	460	0.17	2.28	66.4	1.1	1090	4.6
R413035		60.1	0.05	0.9	<0.005	2.19	<0.5	2950	0.01	416	0.15	2.27	85.1	0.7	1780	6.9
R413036		17.60	0.10	4.2	0.026	3.38	33.4	26.5	0.39	123	0.17	2.73	4.0	2.9	410	37.7
R413037		14.60	0.06	3.4	0.014	1.29	5.2	14.4	0.18	522	0.12	2.96	0.4	1.3	420	28.9
R413038		39.4	0.06	2.1	<0.005	1.61	<0.5	1030	0.04	251	0.11	4.75	79.9	1.0	3640	3.7

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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SUITE 4, LEVEL 9
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SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 5- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16097665

Sample Description	Method Analyte Units LOR	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1
R413001		229	<0.002	0.03	0.63	46.3	1	10.0	154.5	0.21	<0.05	0.46	0.727	1.69	0.1	336
R413002		3210	<0.002	0.01	0.37	0.1	<1	86.9	60.0	50.5	<0.05	2.30	0.005	21.9	2.5	1
R413003		3570	<0.002	<0.01	0.38	0.1	<1	52.6	56.0	89.3	<0.05	2.46	<0.005	23.7	5.1	1
R413004		1770	<0.002	<0.01	0.34	0.1	<1	67.6	41.2	>100	<0.05	1.70	<0.005	10.80	4.7	<1
R413005		1530	<0.002	<0.01	0.28	0.1	<1	84.3	38.0	38.1	<0.05	2.26	<0.005	8.67	5.2	<1
R413006		3060	<0.002	0.01	0.36	0.3	<1	56.9	23.8	44.1	<0.05	1.20	<0.005	20.3	5.8	<1
R413007		1710	<0.002	<0.01	0.24	<0.1	<1	61.8	18.0	47.5	<0.05	2.47	<0.005	10.35	3.7	<1
R413008		2530	<0.002	<0.01	0.39	0.2	<1	77.9	21.2	67.9	<0.05	2.43	<0.005	14.20	8.3	<1
R413009		1400	<0.002	<0.01	0.36	0.2	<1	59.8	20.5	63.9	<0.05	3.34	<0.005	7.26	8.7	<1
R413010		53.8	<0.002	0.03	0.83	0.7	1	109.0	13.6	58.1	<0.05	0.19	0.038	0.93	0.9	8
R413011		145.0	<0.002	0.01	0.05	3.2	<1	0.9	276	0.56	<0.05	39.4	0.146	0.93	3.1	19
R413012		2670	<0.002	<0.01	0.26	0.1	<1	63.1	48.0	88.4	<0.05	6.53	<0.005	15.10	11.4	<1
R413013		2470	<0.002	<0.01	0.44	<0.1	<1	43.1	23.8	87.8	<0.05	1.98	<0.005	15.35	4.4	<1
R413014		1620	<0.002	<0.01	0.42	0.1	1	42.2	27.3	65.3	<0.05	1.93	<0.005	8.85	4.9	<1
R413015		3090	<0.002	0.01	0.43	0.1	<1	37.6	56.0	88.5	<0.05	1.99	<0.005	18.50	5.8	<1
R413016		246	<0.002	0.14	2.58	36.1	1	16.0	169.0	0.47	<0.05	2.10	0.815	2.32	0.6	321
R413017		1910	<0.002	<0.01	0.34	0.2	1	44.1	41.4	>100	<0.05	2.38	<0.005	10.25	11.0	1
R413018		1420	<0.002	<0.01	0.32	0.1	<1	52.4	28.9	37.9	<0.05	3.17	<0.005	6.77	7.2	1
R413019		3700	<0.002	0.01	0.37	0.2	<1	36.3	73.0	>100	<0.05	3.64	<0.005	21.7	10.5	1
R413020		2210	<0.002	<0.01	0.43	0.3	<1	79.0	55.0	>100	<0.05	3.89	<0.005	10.50	22.5	<1
R413021		1980	<0.002	<0.01	0.26	<0.1	<1	44.2	45.0	30.2	<0.05	3.21	<0.005	10.50	5.4	<1
R413022		1360	<0.002	<0.01	0.23	0.1	<1	56.8	37.0	33.5	<0.05	3.26	<0.005	6.27	5.9	<1
R413023		1440	<0.002	<0.01	0.36	0.1	<1	47.0	38.1	39.5	<0.05	2.80	<0.005	7.40	8.1	<1
R413024		920	<0.002	<0.01	0.19	<0.1	<1	36.6	46.9	26.3	<0.05	1.92	<0.005	3.30	2.7	<1
R413025		2620	<0.002	<0.01	0.30	0.1	<1	52.6	71.0	24.4	<0.05	0.70	<0.005	14.35	2.4	<1
R413026		2990	<0.002	<0.01	0.31	0.2	<1	53.1	78.8	71.4	<0.05	0.96	<0.005	15.50	3.8	<1
R413027		3840	<0.002	<0.01	0.30	<0.1	<1	11.0	108.0	28.3	<0.05	0.25	<0.005	41.3	1.0	<1
R413028		2200	<0.002	<0.01	0.13	<0.1	<1	22.7	78.6	21.5	<0.05	0.88	<0.005	12.35	1.1	<1
R413029		1810	<0.002	0.27	0.35	2.5	<1	40.1	63.8	39.8	<0.05	3.11	0.036	10.25	3.8	19
R413030		53.0	<0.002	0.03	0.88	0.7	<1	106.5	14.0	57.9	<0.05	0.23	0.039	0.91	1.1	8
R413031		145.5	<0.002	0.01	<0.05	2.8	1	0.6	243	0.28	<0.05	32.0	0.118	0.96	2.8	16
R413032		96.5	0.003	0.70	1.08	41.5	2	13.5	100.5	4.45	<0.05	0.43	0.593	0.91	0.3	300
R413033		1190	<0.002	<0.01	0.45	<0.1	<1	71.6	8.5	45.5	<0.05	4.54	<0.005	7.22	5.0	<1
R413034		2000	<0.002	<0.01	0.29	0.1	<1	73.6	4.9	28.1	<0.05	2.85	<0.005	13.20	3.1	1
R413035		4810	<0.002	<0.01	1.23	0.2	<1	103.0	5.6	90.9	<0.05	1.35	<0.005	37.2	2.5	<1
R413036		109.5	<0.002	<0.01	<0.05	4.1	<1	0.5	374	0.48	<0.05	16.70	0.123	0.65	2.5	20
R413037		37.7	<0.002	<0.01	<0.05	7.0	1	0.5	134.5	0.11	<0.05	0.83	0.011	0.22	0.9	2
R413038		2680	<0.002	<0.01	0.52	0.1	<1	38.7	31.0	>100	0.07	1.33	<0.005	15.00	2.7	<1

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 5-JUL-2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16097665

Sample Description	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Method Analyte	W	Y	Zn	Zr	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.1	0.1	2	0.5	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01
R413001	0.8	28.8	155	39.3											
R413002	0.8	0.2	27	4.8											
R413003	1.3	0.2	26	5.3											
R413004	3.3	0.8	47	3.5	71.9	<0.5	10	178.0	0.20	<0.03	<0.03	65.3	0.10	0.5	0.01
R413005	2.7	0.8	42	3.3											
R413006	3.0	2.2	38	2.0											
R413007	1.7	0.1	30	4.6											
R413008	3.5	0.8	46	5.6											
R413009	2.7	0.7	41	9.8											
R413010	7.5	0.5	67	24.5											
R413011	0.3	9.3	48	221											
R413012	2.3	0.4	42	14.1											
R413013	1.4	0.1	24	8.5											
R413014	1.4	0.1	24	6.5											
R413015	1.2	0.4	77	8.1											
R413016	0.4	26.5	328	107.5											
R413017	1.6	0.3	30	9.2	88.5	0.5	10	152.5	0.07	<0.03	0.04	62.9	<0.05	1.1	0.01
R413018	2.6	0.5	34	6.0											
R413019	1.6	0.3	18	21.7	118.0	<0.5	20	221	0.06	<0.03	<0.03	56.1	0.05	3.4	0.01
R413020	3.8	1.3	33	9.6	90.7	<0.5	10	146.0	0.37	<0.03	<0.03	76.0	0.37	0.8	0.02
R413021	1.7	0.1	23	6.1											
R413022	2.3	0.4	25	4.9											
R413023	2.3	1.1	21	5.2											
R413024	2.3	0.2	15	1.2											
R413025	1.9	2.1	18	2.0											
R413026	1.2	1.1	11	7.1											
R413027	0.5	0.2	12	1.1											
R413028	1.6	0.1	17	0.9											
R413029	1.4	1.4	53	5.0											
R413030	7.4	0.6	69	27.6											
R413031	0.3	5.1	38	213											
R413032	2.5	21.5	555	14.1											
R413033	1.7	0.1	67	6.8											
R413034	1.7	0.1	29	2.1											
R413035	4.8	0.4	102	4.8											
R413036	0.1	5.5	33	149.0											
R413037	0.1	8.9	9	79.7											
R413038	1.1	0.6	36	11.3	197.0	0.5	10	168.5	0.09	<0.03	<0.03	43.7	0.15	1.9	0.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 5-JUL-2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16097665

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	La	Lu	Nb	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.5	0.01	0.2	0.1	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5
R413001																
R413002																
R413003																
R413004		<0.5	<0.01	86.0	<0.1	<0.03	1965	<0.03	78	38.1	111.5	0.03	1.49	<0.01	4.03	<5
R413005																
R413006																
R413007																
R413008																
R413009																
R413010																
R413011																
R413012																
R413013																
R413014																
R413015																
R413016																
R413017		<0.5	<0.01	92.6	0.1	0.05	2260	0.07	50	41.1	117.5	0.01	3.49	0.01	17.05	<5
R413018																
R413019		<0.5	<0.01	84.1	<0.1	<0.03	4380	<0.03	42	46.3	105.5	0.01	3.28	<0.01	11.00	<5
R413020		<0.5	<0.01	157.0	0.1	0.03	2600	0.14	90	41.9	267	0.10	4.37	<0.01	25.6	<5
R413021																
R413022																
R413023																
R413024																
R413025																
R413026																
R413027																
R413028																
R413029																
R413030																
R413031																
R413032																
R413033																
R413034																
R413035																
R413036																
R413037																
R413038		<0.5	<0.01	63.9	0.5	0.10	3190	0.08	140	31.7	165.0	0.01	1.39	<0.01	2.86	<5

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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
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Finalized Date: 5- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16097665

Sample Description	Method / Analyte / Units / LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413001						
R413002						
R413003						
R413004		4	0.9	<0.03	4	
R413005						
R413006						
R413007						
R413008						
R413009						
R413010						NSS
R413011						
R413012						
R413013						
R413014						
R413015						
R413016						
R413017		2	<0.5	<0.03	6	
R413018						
R413019		2	<0.5	<0.03	21	
R413020		4	2.0	<0.03	6	
R413021						
R413022						
R413023						
R413024						
R413025						
R413026						
R413027						
R413028						
R413029						
R413030						2.920
R413031						
R413032						
R413033						1.050
R413034						
R413035						
R413036						
R413037						
R413038		1	0.8	<0.03	12	

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Finalized Date: 5-JUL-2016
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CERTIFICATE OF ANALYSIS TB16097665

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-22	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

Li-OG63	ME-MS61	ME-MS81	ME-OG62o

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North Vancouver BC V7H 0A7
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SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

CERTIFICATE TB16100848

Project: Falcon Lake
P.O. No.: Sunrise02
This report is for 108 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 24- JUN- 2016.
The following have access to data associated with this certificate:

TIM BIRT		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- MS81	Lithium Borate Fusion ICP- MS	ICP- MS
Li- OG63	Ore grade Li - 4ACID	ICP- AES
ME- OG62o	Ore Grade open beaker - ICPAES	ICP- AES

To: SUNRISE CANADA INC.
ATTN: TIM BIRT
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2	ME- MS61 Fe % 0.01
R413039		2.10	0.05	7.42	1.2	190	3.37	0.17	6.74	0.21	4.63	52.4	108	49.5	151.0	9.49
R413040		1.11	<0.01	8.01	1.0	40	85.5	0.07	0.78	0.05	0.67	2.2	9	128.5	37.0	0.58
R413041		1.64	<0.01	7.27	0.6	40	205	0.16	0.33	0.05	0.12	0.3	13	131.0	3.8	0.33
R413042		1.52	0.07	7.95	1.2	50	97.6	0.11	0.83	<0.02	0.51	5.2	19	146.5	16.8	0.98
R413043		2.38	0.08	7.57	0.9	50	0.88	0.17	7.02	0.04	4.79	61.5	111	5.66	216	9.13
R413044		2.52	0.05	7.62	0.8	80	0.45	0.19	7.52	<0.02	4.42	54.5	100	48.6	140.0	9.66
R413045		2.41	0.09	7.89	0.4	90	0.99	0.33	7.55	0.03	5.10	63.2	107	187.0	234	9.38
R413046		1.68	<0.01	6.62	0.8	50	267	0.08	0.52	0.26	0.20	1.4	10	303	6.6	0.41
R413047		1.93	<0.01	6.57	0.7	20	166.0	0.09	0.39	0.08	0.22	0.3	10	113.5	1.4	0.31
R413048		1.68	0.05	6.24	0.5	40	178.0	0.04	0.34	0.12	0.09	0.3	11	151.5	1.3	0.29
R413049		1.80	<0.01	7.23	0.5	80	164.5	0.06	0.62	<0.02	0.49	0.7	11	102.0	3.2	0.71
R413050		<0.02	0.06	6.81	3.4	<10	554	0.71	0.34	<0.02	0.25	1.5	186	46.0	6.8	0.57
R413051		1.46	0.02	6.83	0.4	930	1.25	0.04	1.03	<0.02	104.5	2.9	12	2.13	5.1	1.41
R413052		2.10	<0.01	7.14	1.6	60	129.0	0.07	0.44	0.05	0.21	0.3	14	110.0	1.4	0.44
R413053		2.15	<0.01	6.85	1.1	40	164.5	0.12	0.30	0.04	0.10	0.2	11	112.0	1.6	0.47
R413054		1.92	<0.01	7.26	1.0	30	179.0	0.74	0.32	0.06	0.15	0.2	12	50.5	1.4	0.51
R413055		1.94	<0.01	6.71	0.8	20	176.5	5.80	0.39	0.14	0.14	0.2	17	68.2	1.5	0.60
R413056		2.22	<0.01	7.39	1.5	30	283	17.10	0.67	0.26	0.25	0.3	12	134.5	1.0	0.74
R413057		2.13	<0.01	7.25	1.0	50	154.5	2.68	0.45	0.10	0.13	0.4	14	66.4	1.3	0.68
R413058		1.30	<0.01	7.11	0.6	70	174.0	0.58	0.35	0.02	0.15	0.3	13	91.9	1.7	0.50
R413059		1.58	<0.01	7.38	0.6	110	183.0	0.78	0.68	0.25	0.55	0.7	11	128.5	6.4	0.70
R413060		2.51	0.06	7.25	0.5	50	1.59	0.19	6.39	0.10	4.53	52.9	101	56.6	182.5	10.65
R413061		2.43	0.05	7.31	1.3	120	0.83	0.21	6.01	0.16	4.69	53.2	99	62.6	153.5	10.75
R413062		1.11	<0.01	6.92	3.4	140	311	0.27	1.00	<0.02	0.52	4.2	15	68.4	5.6	0.96
R413063		1.97	0.05	7.16	0.4	160	5.26	0.13	6.38	0.18	4.20	48.2	94	112.5	127.0	10.45
R413064		1.92	0.04	6.95	0.4	260	5.31	0.23	5.42	0.19	3.87	48.2	97	196.0	54.5	10.35
R413065		2.34	0.02	7.57	0.9	200	83.3	0.16	0.68	0.04	0.58	2.0	10	99.5	12.2	0.81
R413066		1.07	<0.01	7.44	0.7	150	224	0.35	0.82	0.09	0.95	0.5	7	47.5	11.1	0.32
R413067		1.99	<0.01	7.23	0.5	200	135.5	0.64	0.82	0.17	0.67	0.8	9	85.5	13.0	0.58
R413068		2.08	<0.01	7.40	1.9	330	143.0	1.40	0.85	0.14	0.65	0.7	9	362	5.6	0.35
R413069		2.14	<0.01	6.74	1.8	280	167.5	3.79	0.67	0.11	0.33	0.8	9	415	3.3	0.34
R413070		<0.02	0.05	6.98	3.9	<10	581	0.76	0.35	<0.02	0.26	1.5	197	47.8	6.7	0.57
R413071		0.95	0.04	7.22	<0.2	1000	1.77	0.04	1.30	0.03	81.4	3.8	18	1.87	5.4	1.43
R413072		2.00	<0.01	6.77	2.2	220	202	1.05	0.55	0.15	0.45	1.6	16	188.0	1.4	0.43
R413073		1.06	<0.01	6.90	1.0	190	202	0.53	0.54	0.25	0.24	0.4	8	321	1.2	0.33
R413074		1.98	<0.01	6.81	0.6	320	160.5	0.45	1.28	<0.02	0.46	1.2	11	68.4	7.1	0.46
R413075		2.24	<0.01	6.69	0.2	290	143.0	0.18	1.21	<0.02	0.46	1.3	12	39.4	2.8	0.52
R413076		1.42	<0.01	7.13	1.6	240	132.5	0.21	0.98	0.04	0.83	3.3	16	111.0	11.1	0.92
R413077		2.31	0.07	7.60	1.1	130	1.66	0.31	6.37	0.15	11.85	49.0	126	101.5	98.4	10.15
R413078		2.47	0.11	7.61	0.6	160	1.63	0.17	6.35	0.12	12.45	49.0	116	55.0	172.5	10.15

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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SUITE 4, LEVEL 9
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Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10	ME- MS61 Pb ppm 0.5
R413039		16.65	0.07	0.4	0.064	0.83	1.7	500	3.00	1770	0.14	1.18	1.5	82.2	250	2.2
R413040		46.1	0.06	1.2	<0.005	1.35	<0.5	1580	0.13	149	0.12	5.22	115.0	3.4	3700	4.9
R413041		56.0	0.08	2.8	<0.005	1.15	<0.5	7640	0.02	224	0.14	3.72	185.5	0.9	6620	7.8
R413042		51.6	0.09	1.4	<0.005	1.05	<0.5	4700	0.25	304	0.10	3.82	104.5	8.6	5710	3.1
R413043		17.50	0.06	0.5	0.075	0.27	1.7	920	2.65	1640	0.19	1.57	1.5	87.5	240	1.3
R413044		16.25	0.06	0.6	0.063	0.25	1.6	1010	3.00	1730	0.12	1.57	1.3	81.2	230	0.8
R413045		18.40	0.07	0.5	0.079	0.53	1.8	790	2.98	1970	0.13	1.37	1.5	93.3	260	1.7
R413046		43.0	0.10	2.3	<0.005	2.77	<0.5	3630	0.05	215	0.40	3.36	134.0	3.6	6700	14.3
R413047		49.5	0.10	7.2	<0.005	1.36	<0.5	4530	0.02	230	0.19	4.11	142.0	3.6	5330	3.9
R413048		43.0	0.09	3.1	<0.005	1.94	<0.5	3300	0.01	218	0.16	4.25	131.0	1.0	5350	3.1
R413049		57.6	0.10	0.9	<0.005	1.87	<0.5	4600	0.13	313	0.12	2.62	54.9	1.3	1130	3.9
R413050		41.8	0.10	2.1	<0.005	0.22	<0.5	>10000	0.03	1010	0.35	0.61	115.5	4.2	7180	5.0
R413051		17.15	0.17	5.7	0.015	3.93	56.1	38.7	0.25	232	0.34	2.67	5.1	5.7	320	34.2
R413052		52.5	0.11	0.9	<0.005	2.74	<0.5	5750	0.02	323	0.18	2.68	63.6	0.7	1370	4.4
R413053		52.9	0.09	0.6	<0.005	2.43	<0.5	5220	0.02	389	0.14	3.04	69.9	0.8	1580	4.9
R413054		60.8	0.10	0.3	<0.005	2.21	<0.5	6140	0.02	340	0.13	2.94	66.8	1.7	1300	4.2
R413055		57.1	0.10	0.2	<0.005	2.24	<0.5	4840	0.02	368	0.15	2.73	76.9	0.8	1680	3.5
R413056		77.9	0.09	0.8	<0.005	2.58	<0.5	6430	0.03	891	0.15	1.90	167.5	0.7	3920	4.9
R413057		64.5	0.09	0.2	<0.005	1.87	<0.5	6860	0.02	409	0.16	2.48	73.5	2.2	1290	3.2
R413058		55.1	0.11	0.4	<0.005	2.71	<0.5	3320	0.03	339	0.66	3.33	79.4	0.9	1440	3.9
R413059		56.5	0.11	0.7	<0.005	3.31	<0.5	2400	0.07	833	0.13	2.81	73.0	0.9	3750	10.0
R413060		17.30	0.09	0.5	0.065	0.38	1.6	1740	4.57	1940	0.37	1.17	1.5	81.8	250	4.3
R413061		17.35	0.08	0.5	0.071	0.80	1.6	540	4.37	1700	0.14	1.55	1.4	81.2	260	5.1
R413062		56.5	0.07	1.9	<0.005	1.86	<0.5	253	0.22	241	0.21	3.50	76.0	5.2	1740	3.7
R413063		18.85	0.09	0.5	0.068	1.09	1.5	460	3.69	1880	0.15	1.06	1.8	77.8	280	5.5
R413064		18.75	0.09	0.5	0.058	1.60	1.3	406	4.13	1580	0.08	1.12	1.5	75.0	250	3.4
R413065		64.3	0.08	1.3	<0.005	2.99	<0.5	377	0.12	220	0.31	3.49	59.3	6.0	1560	69.2
R413066		56.8	0.08	0.9	<0.005	1.72	0.5	144.5	0.08	138	0.86	5.36	82.2	1.5	2060	4.6
R413067		65.7	0.07	0.7	<0.005	2.26	<0.5	425	0.09	240	0.24	3.70	55.5	1.2	2020	3.5
R413068		45.3	0.11	1.4	0.007	5.16	<0.5	163.5	0.05	158	0.20	2.74	43.3	0.8	2630	7.4
R413069		37.6	0.11	0.9	<0.005	5.27	<0.5	124.0	0.03	133	0.27	2.55	75.1	1.3	2990	7.9
R413070		43.0	0.09	2.0	<0.005	0.23	<0.5	>10000	0.04	1040	0.37	0.63	115.5	4.2	7410	5.0
R413071		18.00	0.14	4.3	0.018	3.41	43.4	33.8	0.31	270	0.45	3.14	6.9	4.9	350	31.7
R413072		56.9	0.09	0.9	<0.005	3.02	<0.5	272	0.03	230	0.15	3.74	98.9	1.3	2420	4.8
R413073		45.5	0.11	1.3	0.006	3.95	<0.5	182.5	0.02	227	0.11	3.89	113.5	1.0	3150	6.8
R413074		60.3	0.10	1.0	<0.005	2.27	<0.5	319	0.08	268	0.13	3.22	80.9	0.8	1500	3.9
R413075		61.1	0.10	0.3	<0.005	1.78	<0.5	237	0.11	219	0.12	3.29	64.6	0.7	1170	2.0
R413076		50.8	0.08	0.5	<0.005	1.10	0.5	161.5	0.22	232	0.14	4.64	56.6	6.0	1260	5.8
R413077		18.90	0.09	0.9	0.074	0.78	4.4	360	3.27	1840	0.27	1.74	3.7	106.0	500	18.4
R413078		18.90	0.09	1.1	0.079	0.72	4.8	332	3.28	1700	0.24	1.97	4.5	100.0	510	10.5

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ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1
R413039		230	<0.002	0.07	0.83	44.7	1	20.5	124.0	3.91	0.05	0.14	0.457	1.63	<0.1	287
R413040		2760	<0.002	0.01	0.24	1.0	<1	70.1	53.0	>100	<0.05	1.31	0.012	17.40	4.6	6
R413041		2550	<0.002	0.01	0.22	0.1	<1	80.6	45.0	>100	<0.05	1.22	<0.005	18.10	6.2	<1
R413042		2410	<0.002	0.01	0.19	4.0	<1	81.0	52.0	>100	<0.05	1.15	0.040	15.60	4.0	25
R413043		66.9	<0.002	0.21	0.65	48.0	2	47.7	95.8	0.52	0.07	0.14	0.459	0.43	0.1	283
R413044		55.0	<0.002	0.12	0.60	44.2	1	48.3	71.1	0.23	0.06	0.13	0.469	0.41	0.1	287
R413045		343	<0.002	0.22	0.63	46.6	1	37.1	75.8	0.80	0.12	0.14	0.485	4.14	<0.1	292
R413046		6280	<0.002	0.01	0.24	0.6	1	60.5	24.4	>100	<0.05	0.85	0.008	50.6	3.9	4
R413047		2750	<0.002	0.01	0.21	0.1	1	70.7	16.9	>100	<0.05	1.37	<0.005	18.85	9.7	<1
R413048		3430	<0.002	0.01	0.23	0.1	1	50.5	19.0	>100	<0.05	1.07	<0.005	25.9	5.3	<1
R413049		2400	<0.002	0.01	0.25	0.1	1	108.0	46.5	30.8	<0.05	3.39	<0.005	16.20	5.1	<1
R413050		49.1	<0.002	0.03	0.81	0.6	1	102.5	12.7	61.8	<0.05	0.19	0.039	1.01	1.4	8
R413051		132.5	<0.002	0.01	<0.05	2.9	1	1.0	289	0.57	<0.05	30.4	0.141	0.85	2.5	16
R413052		2800	<0.002	<0.01	0.30	<0.1	1	68.8	28.5	41.0	<0.05	3.48	<0.005	20.1	5.5	<1
R413053		2550	<0.002	<0.01	0.37	<0.1	1	61.1	22.6	35.2	<0.05	3.69	<0.005	17.65	5.8	<1
R413054		1830	<0.002	<0.01	0.26	<0.1	1	58.9	20.9	26.1	<0.05	2.93	<0.005	11.60	4.6	<1
R413055		1880	<0.002	<0.01	0.20	0.1	1	45.0	22.6	25.9	<0.05	2.64	<0.005	11.95	3.8	<1
R413056		2660	<0.002	0.01	0.35	0.2	1	89.5	26.0	>100	<0.05	2.49	<0.005	17.10	8.7	<1
R413057		1600	<0.002	<0.01	0.30	0.1	1	53.7	34.9	26.1	<0.05	2.56	<0.005	10.45	3.2	<1
R413058		2480	<0.002	<0.01	0.20	<0.1	1	60.1	48.9	30.6	<0.05	2.91	<0.005	16.75	5.0	<1
R413059		3320	<0.002	0.01	0.20	0.1	<1	74.0	62.8	52.1	<0.05	3.73	<0.005	22.6	6.1	1
R413060		130.0	0.003	0.05	0.37	43.2	2	8.5	178.0	0.40	<0.05	0.15	0.481	1.10	0.1	297
R413061		173.0	<0.002	0.03	0.43	43.6	1	4.5	102.0	0.13	0.08	0.14	0.498	0.70	0.1	298
R413062		1340	<0.002	0.01	0.13	2.3	1	75.3	59.4	>100	<0.05	1.54	0.030	4.43	4.0	14
R413063		226	<0.002	0.02	0.25	40.1	2	27.3	76.2	1.13	<0.05	0.12	0.460	1.61	<0.1	289
R413064		434	<0.002	0.01	0.25	39.8	1	28.6	82.0	0.90	<0.05	0.11	0.464	3.27	<0.1	293
R413065		2140	<0.002	0.01	0.28	0.9	1	47.5	84.9	99.1	<0.05	0.68	0.011	10.15	2.5	5
R413066		980	<0.002	0.01	0.21	0.1	1	26.4	65.3	98.4	<0.05	1.63	<0.005	4.48	4.6	1
R413067		1680	<0.002	0.01	0.24	0.3	1	36.7	155.5	80.9	<0.05	1.28	<0.005	7.56	3.6	1
R413068		5200	<0.002	0.01	0.31	0.1	1	21.4	119.0	86.1	<0.05	1.36	<0.005	31.4	3.6	<1
R413069		5770	<0.002	0.01	0.31	0.1	1	17.0	73.2	>100	<0.05	1.66	<0.005	32.6	4.2	<1
R413070		60.3	<0.002	0.03	0.85	0.6	<1	106.5	13.2	63.9	<0.05	0.21	0.040	1.08	2.0	8
R413071		120.0	<0.002	0.01	<0.05	3.1	1	1.2	419	0.87	<0.05	22.7	0.155	0.77	1.6	19
R413072		2920	<0.002	0.01	0.25	0.1	1	35.5	92.0	>100	<0.05	3.63	<0.005	15.70	8.0	<1
R413073		4530	<0.002	0.01	0.26	0.1	1	21.1	54.7	>100	<0.05	2.36	<0.005	27.8	8.3	<1
R413074		1400	<0.002	0.01	0.21	0.2	1	66.5	172.5	82.9	<0.05	2.21	<0.005	5.27	7.1	<1
R413075		890	<0.002	0.01	0.22	0.2	1	48.7	150.0	50.5	<0.05	1.22	<0.005	2.06	3.2	<1
R413076		550	<0.002	0.01	0.43	1.7	1	32.0	115.0	42.1	<0.05	2.12	0.039	2.42	1.8	15
R413077		258	<0.002	0.04	0.33	37.2	2	12.4	134.5	0.46	<0.05	0.52	0.807	2.18	0.1	335
R413078		153.5	0.002	0.06	0.24	37.8	2	3.5	126.5	0.41	<0.05	0.50	0.804	0.92	0.1	329

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ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81
	Analyte	W	Y	Zn	Zr	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01
R413039		0.7	18.9	161	7.2											
R413040		1.1	1.0	31	5.8	40.1	0.8	10	122.0	0.11	0.10	0.05	42.3	0.18	1.2	0.03
R413041		1.0	0.1	51	13.9	36.0	<0.5	10	128.0	<0.05	<0.03	<0.03	51.9	<0.05	2.2	<0.01
R413042		1.0	1.7	61	7.9	42.1	0.6	30	146.0	0.21	0.21	0.06	48.9	0.24	1.4	0.06
R413043		0.7	20.9	111	11.1											
R413044		0.6	19.0	92	10.4											
R413045		0.6	21.9	127	10.3											
R413046		0.7	0.4	116	10.9	46.8	<0.5	10	323	0.05	0.05	<0.03	41.6	0.07	2.3	0.01
R413047		0.6	0.2	79	41.4	19.5	<0.5	10	117.5	<0.05	<0.03	<0.03	49.1	<0.05	6.3	<0.01
R413048		0.8	0.1	44	18.4	35.1	<0.5	30	149.0	<0.05	<0.03	<0.03	40.4	<0.05	3.7	<0.01
R413049		1.4	0.6	71	6.8											
R413050		9.0	0.5	65	24.2											
R413051		0.3	6.3	37	199.0											
R413052		1.4	0.3	26	6.9											
R413053		1.6	0.2	32	4.1											
R413054		2.0	0.1	31	1.9											
R413055		2.4	0.4	30	0.8											
R413056		4.4	1.6	62	4.8	33.0	1.1	10	132.5	0.49	0.04	<0.03	75.1	0.36	0.8	0.03
R413057		2.5	0.3	25	1.1											
R413058		2.5	0.2	34	3.0											
R413059		1.9	1.5	53	4.6											
R413060		0.8	19.4	104	9.7											
R413061		1.1	20.0	126	9.1											
R413062		2.6	0.9	44	12.4	126.5	0.5	20	63.5	0.11	0.05	0.08	65.2	0.11	1.7	0.03
R413063		18.8	18.3	122	11.7											
R413064		1.6	17.5	112	11.7											
R413065		1.6	0.7	28	6.7											
R413066		1.3	0.9	8	5.5											
R413067		1.3	0.8	27	3.6											
R413068		0.8	0.3	15	7.1											
R413069		1.1	0.3	10	4.7	252	<0.5	10	399	0.07	<0.03	<0.03	34.2	0.05	0.7	<0.01
R413070		10.5	0.5	67	24.4											
R413071		0.4	7.9	42	152.5											
R413072		1.6	0.3	35	5.6	219	<0.5	20	189.5	0.07	<0.03	<0.03	60.6	0.08	0.9	<0.01
R413073		1.7	0.4	20	7.4	182.5	<0.5	10	319	0.09	<0.03	<0.03	43.0	0.10	1.1	<0.01
R413074		1.4	0.6	16	5.6											
R413075		1.5	0.7	13	1.9											
R413076		1.5	0.9	21	4.8											
R413077		3.0	26.3	128	25.6											
R413078		4.0	27.9	124	31.0											

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North Vancouver BC V7H 0A7
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Finalized Date: 16- JUL- 2016
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Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	ME- MS81 La ppm 0.5	ME- MS81 Lu ppm 0.01	ME- MS81 Nb ppm 0.2	ME- MS81 Nd ppm 0.1	ME- MS81 Pr ppm 0.03	ME- MS81 Rb ppm 0.2	ME- MS81 Sm ppm 0.03	ME- MS81 Sn ppm 1	ME- MS81 Sr ppm 0.1	ME- MS81 Ta ppm 0.1	ME- MS81 Tb ppm 0.01	ME- MS81 Th ppm 0.05	ME- MS81 Tm ppm 0.01	ME- MS81 U ppm 0.05	ME- MS81 V ppm 5
R413039																
R413040		<0.5	<0.01	112.0	0.6	0.10	2720	0.14	322	26.9	224	0.02	1.47	0.01	3.67	8
R413041		<0.5	<0.01	172.5	0.1	<0.03	2600	<0.03	301	25.9	338	<0.01	1.41	<0.01	6.15	<5
R413042		<0.5	0.02	100.0	0.5	0.07	2490	0.15	499	28.5	173.0	0.04	1.28	0.03	3.86	28
R413043																
R413044																
R413045																
R413046		<0.5	<0.01	124.5	0.2	0.03	6670	0.03	340	25.8	273	<0.01	1.09	<0.01	3.98	7
R413047		<0.5	<0.01	128.0	0.2	0.03	2860	<0.03	455	18.0	230	<0.01	1.71	<0.01	9.50	<5
R413048		<0.5	<0.01	130.5	0.1	<0.03	3590	<0.03	606	19.8	216	<0.01	1.28	<0.01	5.35	<5
R413049																
R413050																
R413051																
R413052																
R413053																
R413054																
R413055																
R413056		0.6	<0.01	160.5	0.5	0.13	2870	0.25	127	27.0	113.5	0.11	3.02	0.01	9.41	<5
R413057																
R413058																
R413059																
R413060																
R413061																
R413062		<0.5	<0.01	77.6	0.3	0.06	1315	0.09	125	54.8	98.8	0.01	1.53	0.01	3.83	15
R413063																
R413064																
R413065																
R413066																
R413067																
R413068																
R413069		<0.5	<0.01	72.7	0.2	0.03	5520	0.04	29	70.4	143.5	0.02	1.69	<0.01	4.10	<5
R413070																
R413071																
R413072		<0.5	<0.01	105.5	0.2	0.04	3110	0.07	82	85.4	150.5	0.02	5.04	<0.01	8.27	<5
R413073		<0.5	<0.01	103.0	0.1	<0.03	4480	0.05	42	54.0	185.0	0.02	2.13	<0.01	7.68	<5
R413074																
R413075																
R413076																
R413077																
R413078																

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413039						
R413040		<1	1.0	0.09	6	
R413041		<1	<0.5	<0.03	11	
R413042		1	1.9	0.20	11	
R413043						
R413044						
R413045						
R413046		<1	<0.5	0.04	11	
R413047		<1	<0.5	0.03	38	
R413048		<1	<0.5	<0.03	23	
R413049						
R413050						2.840
R413051						
R413052						
R413053						
R413054						
R413055						
R413056		4	2.1	0.03	5	
R413057						
R413058						
R413059						
R413060						
R413061						
R413062		3	0.8	0.07	13	
R413063						
R413064						
R413065						
R413066						
R413067						
R413068						
R413069		1	<0.5	<0.03	3	
R413070						2.780
R413071						
R413072		2	<0.5	<0.03	5	
R413073		1	<0.5	<0.03	6	
R413074						
R413075						
R413076						
R413077						
R413078						

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CERTIFICATE OF ANALYSIS TB16100848

Sample Description	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
Method / Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R413079	1.98	0.06	7.81	0.2	130	2.13	0.12	6.35	0.15	12.30	47.3	118	98.5	77.3	10.65
R413080	2.05	<0.01	7.48	2.0	290	114.0	0.75	0.97	0.03	1.95	1.8	13	64.4	3.6	0.73
R413081	2.11	<0.01	7.36	1.6	350	178.0	0.17	0.63	0.11	2.70	0.7	11	37.1	3.5	0.57
R413082	2.35	<0.01	7.34	1.6	280	97.2	0.32	0.58	0.14	2.70	0.8	10	37.5	5.6	0.59
R413083	2.01	<0.01	7.21	1.5	120	120.0	1.16	0.71	0.05	0.24	0.4	11	70.5	4.1	0.45
R413084	1.92	0.02	7.67	2.1	80	125.0	8.21	0.64	0.04	0.24	0.3	12	74.9	3.7	0.64
R413085	2.27	<0.01	7.90	1.9	110	140.5	0.71	0.55	0.08	0.73	0.7	9	62.5	4.3	0.56
R413086	2.51	0.09	7.37	1.7	150	3.09	0.80	6.62	0.16	22.6	50.4	78	12.95	336	9.49
R413087	2.34	0.05	8.35	0.8	90	7.39	0.15	5.72	0.20	11.40	49.4	128	402	122.0	8.24
R413088	0.61	0.01	7.18	0.5	30	62.9	0.13	1.66	<0.02	2.12	9.2	24	346	45.9	1.56
R413089	2.35	0.04	8.42	0.5	110	2.06	0.12	5.47	0.21	12.10	51.9	130	444	112.5	8.24
R413090	<0.02	0.26	6.08	4.2	10	559	0.71	0.33	<0.02	0.25	1.4	178	47.5	12.6	0.49
R413091	0.79	0.04	6.89	0.4	890	1.47	0.04	1.18	0.02	121.5	3.1	10	2.15	6.8	1.30
R413092	2.32	0.05	8.32	0.8	100	2.31	0.11	5.73	0.28	12.60	56.5	124	150.0	137.5	8.41
R413093	2.37	0.05	8.25	0.5	90	1.53	0.10	6.01	0.13	12.25	52.5	119	174.5	127.5	9.17
R413094	1.14	0.03	8.36	0.8	140	6.13	0.17	5.51	0.11	12.90	53.4	118	391	97.2	8.42
R413095	1.26	0.01	7.27	<0.2	10	192.0	0.36	0.55	<0.02	0.19	0.8	7	34.0	14.0	0.25
R413096	1.31	0.02	7.96	0.7	10	133.5	0.06	0.68	<0.02	0.51	1.9	9	45.0	19.7	0.51
R413097	1.73	0.05	8.67	1.1	140	11.35	0.17	5.61	0.16	12.65	56.6	136	>500	117.5	10.05
R413098	1.92	0.06	8.30	0.5	90	5.70	0.15	5.81	0.14	12.15	59.8	127	454	133.5	9.70
R413099	0.59	0.04	5.54	2.2	20	26.9	2.78	0.67	0.03	1.54	6.8	21	227	31.0	1.29
R413100	2.37	0.06	8.30	0.5	80	2.78	0.15	6.13	0.25	12.10	62.1	122	196.0	139.0	9.33
R413101	2.47	0.04	8.30	1.3	60	2.13	0.13	6.22	0.16	12.75	58.3	127	88.4	121.5	9.07
R413102	1.78	0.04	8.58	45.7	40	8.84	0.26	6.93	0.16	13.05	73.1	125	50.6	70.8	9.06
R413103	2.14	0.04	8.35	61.9	70	3.30	0.55	7.36	0.10	15.20	95.8	131	125.0	93.3	9.86
R413104	2.38	0.04	8.08	195.5	80	2.58	0.55	7.82	0.14	15.45	184.5	115	7.31	52.4	10.25
R413105	2.09	0.02	8.53	75.2	100	16.65	0.24	5.30	0.12	11.35	97.0	127	>500	35.4	9.36
R413106	2.24	0.08	8.15	4.3	70	22.8	0.21	5.26	0.25	9.78	50.7	102	347	138.5	8.30
R413107	2.50	0.04	7.69	1.3	80	1.36	0.10	6.63	0.13	11.85	50.1	109	117.0	69.2	10.80
R413108	2.01	0.05	7.55	1.7	50	4.88	0.17	5.94	0.19	10.85	50.1	108	371	99.9	10.55
R413109	2.17	<0.01	6.88	1.3	40	136.0	0.06	0.37	<0.02	0.21	1.3	10	59.4	1.7	0.62
R413110	<0.02	0.12	6.82	3.7	10	588	0.68	0.36	<0.02	0.32	1.4	174	49.0	9.5	0.54
R413111	0.91	0.07	7.07	0.5	970	1.29	0.03	1.13	0.04	96.6	3.3	13	1.98	5.5	1.29
R413112	1.98	<0.01	7.56	0.6	70	141.0	0.65	0.39	<0.02	0.18	0.6	13	50.8	1.4	0.69
R413113	2.40	<0.01	6.59	0.7	40	289	1.51	0.41	0.08	0.12	0.4	15	64.2	2.3	0.47
R413114	2.61	<0.01	8.11	2.3	30	225	0.04	0.43	0.12	0.13	0.2	10	78.0	1.8	0.48
R413115	2.58	<0.01	7.81	0.5	50	144.0	0.30	0.40	0.06	0.23	0.8	13	53.6	5.3	0.55
R413116	2.76	0.04	7.70	0.5	20	3.85	0.12	6.31	0.21	11.75	48.5	109	135.5	90.5	10.95
R413117	3.12	0.04	7.65	0.7	10	0.69	0.08	6.60	0.12	11.70	50.6	105	6.03	125.0	10.80
R413118	2.71	0.05	6.82	1.7	20	0.77	0.10	6.32	0.12	11.30	49.3	105	30.5	111.0	10.25

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10	ME- MS61 Pb ppm 0.5
R413079		21.9	0.07	1.1	0.078	0.76	4.8	660	3.52	1780	0.23	1.54	4.8	99.8	500	3.9
R413080		53.2	0.08	0.9	<0.005	2.92	0.8	159.0	0.16	331	0.13	4.01	70.7	2.3	1560	5.9
R413081		53.8	0.08	1.9	<0.005	2.70	1.0	172.5	0.11	316	0.09	4.12	86.4	0.8	1520	5.3
R413082		48.9	0.10	1.3	0.011	2.43	0.9	188.0	0.14	268	0.45	4.41	78.8	2.6	1480	15.0
R413083		54.4	0.08	0.3	<0.005	2.41	<0.5	2270	0.07	261	0.22	3.54	59.3	0.9	1370	7.4
R413084		61.8	0.08	0.5	<0.005	2.14	<0.5	5180	0.07	422	0.20	2.99	70.4	0.7	1730	8.4
R413085		53.7	0.08	0.6	<0.005	2.49	0.5	2160	0.08	320	0.15	4.04	65.9	1.2	1550	11.4
R413086		20.9	0.05	2.9	0.074	0.52	10.0	145.5	3.57	1470	0.53	1.79	6.5	106.0	630	5.4
R413087		21.8	0.05	1.3	0.094	0.69	4.1	261	2.36	1780	0.22	2.44	4.8	90.3	630	5.3
R413088		32.2	<0.05	2.6	0.014	0.43	0.8	120.5	0.39	350	0.15	5.18	35.5	15.2	2040	3.9
R413089		21.6	<0.05	1.4	0.096	0.85	4.3	375	2.47	1800	0.26	2.35	4.4	97.0	490	2.4
R413090		39.1	0.07	2.3	<0.005	0.21	<0.5	>10000	0.03	960	0.32	0.57	111.5	4.0	6960	5.6
R413091		17.65	0.11	5.3	0.012	3.55	65.9	37.0	0.28	233	0.33	2.80	4.6	4.1	350	31.6
R413092		22.4	0.06	1.3	0.115	0.66	4.5	700	2.50	1800	0.25	2.40	4.7	95.4	620	2.4
R413093		21.6	0.06	1.3	0.105	0.55	4.3	670	2.47	1980	0.19	2.12	4.4	91.7	510	3.2
R413094		21.2	0.05	1.1	0.093	1.03	4.7	1450	2.51	2040	0.28	1.59	4.6	94.5	480	4.2
R413095		45.2	<0.05	6.6	<0.005	0.31	<0.5	447	0.02	186	0.12	6.26	77.7	1.4	4770	4.1
R413096		51.7	<0.05	8.9	<0.005	0.55	<0.5	520	0.07	178	0.08	6.14	89.9	2.8	4590	4.1
R413097		24.0	0.08	1.3	0.085	0.98	4.5	1260	2.67	2120	0.27	1.94	6.2	102.5	1060	4.7
R413098		22.6	0.05	1.4	0.106	0.71	4.2	820	2.66	2200	0.26	1.88	4.7	106.0	520	2.3
R413099		44.6	<0.05	1.5	0.006	0.85	0.6	149.5	0.27	245	0.14	2.55	35.6	11.8	1050	3.5
R413100		21.9	0.06	1.3	0.101	0.58	4.3	790	2.52	2160	0.40	1.98	4.9	107.5	490	1.7
R413101		21.1	0.05	1.1	0.103	0.39	4.5	237	2.19	2100	0.49	2.25	4.3	101.0	480	1.8
R413102		22.3	0.06	1.0	0.100	0.29	4.9	218	2.01	2130	0.32	2.20	7.6	98.3	700	1.9
R413103		23.6	0.07	1.1	0.118	0.46	6.2	317	2.20	2010	0.39	1.64	5.6	110.5	450	1.3
R413104		22.1	0.08	1.4	0.116	0.46	6.3	288	2.17	1940	0.52	1.20	4.6	101.0	500	1.4
R413105		24.3	0.08	1.4	0.072	0.97	4.1	570	2.57	1680	0.47	2.14	12.9	83.2	1600	6.3
R413106		26.3	<0.05	2.0	0.074	0.54	3.5	500	2.18	1480	0.41	2.68	13.2	77.5	2220	3.8
R413107		19.35	0.06	1.1	0.087	0.40	4.3	770	3.73	1680	0.23	1.65	3.8	84.9	480	1.8
R413108		21.7	0.06	1.0	0.078	0.68	3.9	2720	4.06	1660	0.22	1.22	6.3	86.2	1440	3.6
R413109		50.8	<0.05	0.8	<0.005	1.67	<0.5	4790	0.04	380	0.11	3.28	59.6	1.5	1490	4.6
R413110		40.8	0.08	2.0	<0.005	0.22	<0.5	>10000	0.03	1040	0.39	0.61	113.0	3.9	7390	5.1
R413111		18.15	0.12	5.9	0.017	3.92	51.1	36.1	0.26	204	0.30	2.74	5.1	2.7	400	33.9
R413112		63.5	0.05	0.3	<0.005	1.57	<0.5	6840	0.02	460	0.16	2.99	83.8	1.0	1440	4.4
R413113		47.9	<0.05	0.6	<0.005	1.30	<0.5	7060	0.02	407	0.15	2.56	69.5	0.8	1720	6.5
R413114		69.4	<0.05	0.4	<0.005	2.02	<0.5	7790	0.01	615	0.10	4.27	80.0	0.6	2580	6.3
R413115		60.6	0.05	1.3	<0.005	1.82	<0.5	6800	0.04	436	0.15	3.49	72.0	1.4	1550	5.9
R413116		20.2	0.07	1.0	0.089	0.44	4.3	1630	3.90	1840	0.23	1.46	4.2	93.2	470	4.4
R413117		19.50	0.06	0.9	0.085	0.19	4.3	990	3.59	1670	0.22	1.65	3.8	84.6	470	3.7
R413118		18.15	0.05	0.8	0.086	0.23	4.1	1160	3.40	1590	0.26	1.33	3.7	85.2	450	2.5

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North Vancouver BC V7H 0A7
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Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1
R413079		264	<0.002	0.02	0.28	38.5	2	16.7	106.5	0.38	<0.05	0.51	0.827	1.71	0.1	342
R413080		1650	<0.002	0.01	0.31	1.0	<1	39.0	79.6	62.2	<0.05	1.77	0.020	6.77	3.9	8
R413081		1140	<0.002	0.01	0.30	0.1	1	28.3	99.0	44.0	<0.05	3.41	<0.005	3.32	7.7	<1
R413082		1280	<0.002	0.01	0.32	0.1	<1	24.8	96.7	57.6	<0.05	2.85	<0.005	4.04	4.6	<1
R413083		1770	0.002	<0.01	0.52	<0.1	<1	43.3	69.6	30.0	<0.05	2.24	<0.005	6.80	2.6	<1
R413084		1580	<0.002	<0.01	0.66	<0.1	<1	32.0	52.3	36.2	<0.05	2.10	<0.005	5.76	4.1	<1
R413085		1850	<0.002	<0.01	0.53	0.1	<1	28.6	56.3	38.8	<0.05	2.60	<0.005	6.66	4.0	1
R413086		91.4	<0.002	0.05	0.32	32.1	2	2.9	161.0	0.91	<0.05	1.93	0.781	0.60	0.7	306
R413087		520	0.003	0.14	0.49	38.0	2	24.4	117.5	1.15	<0.05	0.40	0.890	6.34	0.1	341
R413088		1070	<0.002	0.04	0.26	6.5	1	51.9	41.0	>100	<0.05	0.68	0.134	8.61	2.2	51
R413089		770	<0.002	0.17	0.31	37.2	2	7.2	113.0	0.69	0.06	0.41	0.900	9.10	0.1	338
R413090		49.0	<0.002	0.03	0.92	0.6	<1	113.0	13.2	63.9	0.06	0.15	0.035	0.90	0.7	7
R413091		122.0	<0.002	0.01	0.07	2.8	1	1.0	313	0.49	<0.05	33.0	0.129	0.75	2.1	18
R413092		107.5	0.003	0.19	0.27	41.5	2	5.2	110.5	0.50	<0.05	0.43	0.897	0.83	0.1	341
R413093		144.5	<0.002	0.17	0.25	43.5	3	2.6	109.5	0.29	<0.05	0.39	0.878	1.48	0.1	342
R413094		1330	0.004	0.09	0.29	37.2	2	20.6	127.5	0.60	<0.05	0.46	0.863	10.05	0.1	331
R413095		560	<0.002	0.02	0.11	0.3	<1	126.5	31.6	>100	<0.05	1.27	0.008	2.23	7.9	3
R413096		1060	<0.002	0.02	0.12	0.8	1	103.0	36.0	>100	<0.05	2.41	0.017	5.55	7.1	7
R413097		1150	0.003	0.16	0.30	42.4	2	47.6	133.5	3.88	0.05	0.45	0.920	10.60	0.2	359
R413098		680	0.002	0.17	0.25	40.9	2	11.7	98.8	1.52	<0.05	0.39	0.895	7.75	0.1	368
R413099		2550	<0.002	0.04	0.15	3.7	1	65.3	53.0	83.2	0.09	0.61	0.092	13.35	5.6	37
R413100		470	0.003	0.16	0.39	41.3	2	9.9	104.0	2.14	<0.05	0.41	0.853	4.44	0.2	337
R413101		60.6	0.002	0.15	0.47	44.5	2	7.0	119.5	0.49	<0.05	0.42	0.862	0.53	0.1	335
R413102		47.4	0.003	0.11	0.78	44.4	3	32.0	110.5	26.7	<0.05	0.42	0.881	0.51	0.2	337
R413103		71.3	0.003	0.25	0.60	44.1	2	21.4	86.6	12.80	0.12	0.40	0.879	0.85	0.2	348
R413104		88.7	0.003	0.19	0.63	45.1	3	17.1	101.0	0.59	0.11	0.42	0.848	0.33	0.1	330
R413105		2320	0.002	0.13	0.56	36.2	1	63.6	113.0	47.8	<0.05	0.49	0.823	16.70	0.6	313
R413106		880	0.002	0.24	0.36	32.1	1	43.6	105.5	52.0	<0.05	0.53	0.660	7.99	1.2	264
R413107		244	0.003	0.02	0.31	41.9	2	4.7	157.5	0.44	<0.05	0.37	0.775	2.00	0.1	316
R413108		960	<0.002	0.07	0.48	38.6	3	25.2	163.0	4.38	<0.05	0.36	0.762	7.20	0.2	307
R413109		1620	<0.002	<0.01	0.19	0.4	1	59.9	42.0	59.0	<0.05	3.18	0.008	10.50	7.4	3
R413110		50.5	<0.002	0.03	0.87	0.6	<1	115.5	12.7	63.8	<0.05	0.19	0.038	0.92	0.9	8
R413111		134.5	<0.002	0.01	0.06	2.9	1	1.0	309	0.44	<0.05	27.2	0.128	0.89	1.7	17
R413112		1520	<0.002	<0.01	0.28	0.1	<1	55.3	37.7	29.8	<0.05	3.66	<0.005	8.55	4.7	1
R413113		1400	<0.002	<0.01	0.33	<0.1	<1	34.9	38.0	70.7	<0.05	3.18	<0.005	9.76	3.9	1
R413114		2170	<0.002	<0.01	0.26	0.1	1	48.8	37.1	47.3	<0.05	4.77	<0.005	14.60	6.5	1
R413115		1880	<0.002	<0.01	0.27	0.3	<1	65.7	42.1	48.0	<0.05	2.95	0.007	11.30	7.1	2
R413116		530	0.003	0.09	0.28	39.3	2	26.1	117.0	0.54	<0.05	0.39	0.787	3.89	0.1	317
R413117		28.7	0.002	0.14	0.33	40.7	2	3.8	148.5	0.29	<0.05	0.38	0.779	0.41	0.1	312
R413118		99.5	0.002	0.10	0.44	36.0	2	5.7	143.5	0.27	<0.05	0.34	0.719	1.45	0.2	289

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	ME- MS81 Ba ppm 0.5	ME- MS81 Ce ppm 0.5	ME- MS81 Cr ppm 10	ME- MS81 Cs ppm 0.01	ME- MS81 Dy ppm 0.05	ME- MS81 Er ppm 0.03	ME- MS81 Eu ppm 0.03	ME- MS81 Ga ppm 0.1	ME- MS81 Gd ppm 0.05	ME- MS81 Hf ppm 0.2	ME- MS81 Ho ppm 0.01
R413079		1.9	27.9	143	34.7											
R413080		1.4	1.4	19	6.4											
R413081		1.9	1.3	30	17.2											
R413082		1.4	1.0	51	9.4											
R413083		1.6	0.1	33	1.4											
R413084		1.7	0.3	32	3.0											
R413085		1.4	0.3	37	4.2											
R413086		0.3	24.5	123	104.0											
R413087		4.6	24.5	155	34.7											
R413088		1.0	4.5	36	11.6	30.5	2.3	30	344	0.86	0.58	0.22	29.7	0.78	2.6	0.18
R413089		1.5	24.4	161	37.8											
R413090		8.5	0.5	68	25.9											
R413091		0.3	6.6	40	177.5											
R413092		1.0	26.3	165	38.8											
R413093		0.7	28.4	147	36.9											
R413094		2.1	27.3	140	35.2											
R413095		1.2	0.3	68	20.0	4.6	<0.5	10	32.3	<0.05	<0.03	<0.03	41.9	<0.05	6.5	0.01
R413096		1.3	0.8	45	35.4	9.6	0.5	10	41.9	0.13	0.08	0.07	46.9	0.13	9.4	0.02
R413097		1.8	28.3	155	39.6	127.5	12.0	170	525	4.57	3.21	1.03	21.0	4.01	2.5	1.03
R413098		0.9	27.2	143	43.1											
R413099		1.0	2.4	51	11.7											
R413100		0.9	27.0	134	38.2											
R413101		1.4	28.1	128	29.6											
R413102		1.4	28.9	120	24.7											
R413103		1.7	30.2	119	31.2											
R413104		2.2	31.5	124	31.9											
R413105		2.0	24.1	168	33.7	84.7	10.4	150	741	4.14	2.54	0.85	20.7	3.46	2.5	0.89
R413106		1.7	22.9	150	26.7											
R413107		0.9	29.0	104	31.8											
R413108		1.0	27.6	119	26.6											
R413109		1.7	0.4	27	5.2											
R413110		7.1	0.5	69	23.2											
R413111		0.4	6.7	37	197.0											
R413112		2.5	0.2	30	1.5											
R413113		1.0	0.2	16	3.2											
R413114		2.0	0.1	22	2.2											
R413115		1.5	0.5	38	10.2											
R413116		0.6	29.3	121	24.7											
R413117		0.3	28.6	111	21.9											
R413118		0.5	26.8	119	21.9											

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	ME- MS81 La ppm 0.5	ME- MS81 Lu ppm 0.01	ME- MS81 Nb ppm 0.2	ME- MS81 Nd ppm 0.1	ME- MS81 Pr ppm 0.03	ME- MS81 Rb ppm 0.2	ME- MS81 Sm ppm 0.03	ME- MS81 Sn ppm 1	ME- MS81 Sr ppm 0.1	ME- MS81 Ta ppm 0.1	ME- MS81 Tb ppm 0.01	ME- MS81 Th ppm 0.05	ME- MS81 Tm ppm 0.01	ME- MS81 U ppm 0.05	ME- MS81 V ppm 5
R413079																
R413080																
R413081																
R413082																
R413083																
R413084																
R413085																
R413086																
R413087																
R413088		0.8	0.09	34.9	1.7	0.34	1075	0.53	84	28.6	284	0.10	0.79	0.08	2.18	52
R413089																
R413090																
R413091																
R413092																
R413093																
R413094																
R413095		<0.5	<0.01	78.1	0.2	<0.03	579	0.04	196	30.8	712	<0.01	1.62	<0.01	7.07	<5
R413096		<0.5	0.01	81.8	0.4	0.07	1060	0.12	190	25.7	536	0.02	2.10	0.01	6.78	8
R413097		4.3	0.46	5.9	9.4	1.81	1350	3.16	46	112.0	4.4	0.73	0.48	0.47	0.24	393
R413098																
R413099																
R413100																
R413101																
R413102																
R413103																
R413104																
R413105		3.8	0.39	12.5	8.1	1.59	1980	2.55	59	89.4	44.6	0.62	0.53	0.42	0.60	330
R413106																
R413107																
R413108																
R413109																
R413110																
R413111																
R413112																
R413113																
R413114																
R413115																
R413116																
R413117																
R413118																

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CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413079						
R413080						
R413081						
R413082						
R413083						
R413084						
R413085						
R413086						
R413087						
R413088		1	4.5	0.51	20	
R413089						
R413090						2.900
R413091						
R413092						
R413093						
R413094						
R413095		1	<0.5	0.04	23	
R413096		1	0.8	0.12	38	
R413097		1	25.9	3.15	83	
R413098						
R413099						
R413100						
R413101						
R413102						
R413103						
R413104						
R413105		2	23.4	2.70	74	
R413106						
R413107						
R413108						
R413109						
R413110						2.920
R413111						
R413112						
R413113						
R413114						
R413115						
R413116						
R413117						
R413118						

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CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2	ME- MS61 Fe % 0.01
R413119		1.22	0.05	7.08	0.7	50	4.13	0.13	7.17	0.21	12.65	46.9	106	24.8	77.0	10.45
R413120		1.19	0.05	7.98	0.5	20	87.8	0.05	1.32	0.03	1.23	5.1	17	109.5	15.1	1.13
R413121		0.59	0.08	7.11	0.4	90	17.35	0.35	4.76	0.21	11.70	48.4	117	>500	149.5	10.25
R413122		2.29	0.03	6.89	0.8	40	129.0	0.01	0.44	<0.02	0.19	0.8	12	36.9	4.5	0.52
R413123		2.35	0.06	7.54	0.3	30	1.81	0.07	7.02	0.16	13.70	49.2	113	14.60	96.3	10.85
R413124		2.49	0.06	7.74	0.8	120	0.55	0.05	6.01	0.13	11.95	51.3	120	35.1	122.5	10.40
R413125		2.42	0.04	7.44	2.8	70	0.95	0.09	7.32	0.14	15.55	48.2	114	19.25	98.0	10.05
R413126		2.43	0.06	7.28	0.6	60	0.49	0.09	6.64	0.11	12.35	47.3	112	29.1	115.0	10.30
R413127		2.75	0.08	7.38	0.9	120	4.56	0.11	6.19	0.18	11.90	48.9	131	165.0	120.5	10.55
R413128		2.21	0.03	6.96	3.9	120	109.0	0.06	0.58	0.21	0.39	3.4	15	87.8	7.2	0.61
R413129		2.01	0.03	7.14	0.4	110	129.0	0.04	0.62	0.19	0.16	0.3	9	71.6	2.9	0.30
R413130		<0.02	0.17	5.87	4.0	<10	542	0.81	0.31	<0.02	0.29	1.4	184	48.8	8.3	0.47
R413131		0.91	0.04	6.66	0.2	960	1.24	0.01	0.94	0.02	134.0	2.8	11	2.30	4.6	1.35
R413132		2.12	0.03	7.36	0.2	170	186.0	0.22	1.05	0.51	0.67	1.3	12	130.5	6.3	0.64
R413133		2.06	0.03	6.71	0.3	170	162.5	0.06	0.49	0.08	0.13	0.4	9	98.3	9.8	0.34
R413134		2.11	0.02	6.33	0.7	120	239	0.03	0.33	<0.02	0.72	0.5	10	81.5	19.5	0.34
R413135		1.39	0.02	6.83	0.4	70	178.0	0.01	0.34	0.10	1.42	1.0	12	68.0	3.9	0.45
R413136		2.62	0.10	7.54	0.9	250	2.83	0.15	5.62	0.11	4.43	56.7	114	76.1	110.0	7.95
R413137		2.35	0.08	7.46	0.2	200	7.03	0.15	5.48	0.06	5.35	60.2	112	195.5	114.5	8.75
R413138		1.03	0.03	6.62	0.6	110	247	1.64	0.69	0.08	1.67	1.2	11	46.3	8.4	0.52
R413139		1.97	0.02	7.42	0.7	260	118.5	0.06	0.58	0.13	0.74	1.2	10	66.3	10.2	0.63
R413140		2.16	0.03	7.44	0.7	310	118.5	1.16	0.78	0.12	0.37	0.6	11	197.5	2.3	0.50
R413141		2.07	0.04	6.80	0.2	350	216	0.15	0.84	0.11	0.42	0.7	13	152.5	1.5	0.63
R413142		2.01	0.02	6.99	1.8	240	157.5	0.13	0.65	0.08	0.75	1.5	9	40.2	1.8	0.51
R413143		2.15	0.03	6.91	2.8	210	100.5	0.12	0.66	0.16	1.18	2.0	10	66.5	2.8	0.41
R413144		2.06	0.01	6.34	0.4	60	176.5	0.06	0.40	0.03	1.36	0.2	12	13.10	2.1	0.22
R413145		2.41	0.02	6.22	0.7	70	162.0	0.08	0.59	0.08	1.10	0.9	14	21.9	3.6	0.30
R413146		2.40	0.06	7.58	1.0	190	2.59	0.15	6.00	0.14	4.51	61.2	110	195.0	120.5	9.10

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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R413119		19.40	0.06	0.7	0.098	0.52	4.7	650	2.67	1860	0.14	0.96	4.0	77.0	480	1.3
R413120		51.1	0.05	4.5	<0.005	0.49	<0.5	1920	0.21	440	0.09	5.59	59.5	8.0	4440	5.7
R413121		20.1	0.06	0.7	0.064	1.95	4.2	1260	2.82	1580	0.12	0.78	4.4	83.2	500	4.6
R413122		51.0	0.05	1.5	<0.005	1.39	<0.5	4060	0.04	323	0.05	3.75	64.6	1.5	1240	5.7
R413123		19.40	0.07	0.9	0.089	0.28	5.2	820	3.08	1580	0.24	1.64	4.2	85.0	490	1.3
R413124		19.40	0.07	1.2	0.095	0.52	4.3	1220	2.60	1560	0.23	1.84	3.9	90.4	480	1.3
R413125		19.05	0.05	1.2	0.107	0.44	6.7	300	2.34	1610	0.16	1.57	3.8	81.7	470	1.0
R413126		18.15	<0.05	1.0	0.086	0.38	4.5	314	2.82	1600	0.21	1.66	3.7	82.6	460	1.9
R413127		18.80	0.07	1.1	0.088	0.58	4.4	860	2.87	1530	1.04	1.28	3.7	87.7	490	5.6
R413128		50.6	<0.05	1.6	<0.005	2.19	<0.5	3170	0.11	289	<0.05	3.28	57.5	2.9	1610	3.7
R413129		49.9	<0.05	3.0	0.022	1.95	<0.5	3460	0.02	295	0.07	3.62	59.6	0.8	1500	3.5
R413130		38.1	0.05	1.8	<0.005	0.21	<0.5	>10000	0.03	880	0.26	0.58	103.0	3.8	6980	3.8
R413131		16.50	0.12	6.2	0.014	4.14	73.0	42.7	0.23	220	0.17	2.49	4.5	2.2	350	32.9
R413132		54.1	0.05	1.8	<0.005	3.48	<0.5	1870	0.08	1260	<0.05	2.51	57.6	1.5	5290	4.6
R413133		50.9	0.06	2.9	<0.005	2.45	<0.5	1450	0.04	191	0.05	3.60	56.3	0.8	1650	3.0
R413134		39.6	0.07	4.1	<0.005	1.84	0.5	600	0.04	152	<0.05	4.16	60.7	1.1	1310	2.0
R413135		39.4	0.07	4.3	<0.005	1.28	0.8	383	0.07	203	0.06	5.26	62.5	1.7	1530	2.7
R413136		17.20	0.08	0.5	0.081	0.87	1.6	260	2.85	1700	2.01	1.64	1.5	96.4	230	8.0
R413137		20.1	<0.05	0.5	0.091	0.97	2.0	283	2.74	1770	1.20	1.84	7.8	98.3	600	5.1
R413138		37.1	0.07	2.0	<0.005	1.90	0.8	73.5	0.12	301	0.45	4.67	89.6	3.4	1400	4.6
R413139		62.8	0.08	0.2	0.012	2.64	<0.5	262	0.10	235	0.11	3.76	60.5	1.3	910	5.7
R413140		51.1	0.10	0.5	<0.005	4.90	<0.5	237	0.05	231	0.14	2.67	56.1	0.8	1820	5.8
R413141		55.9	0.08	0.3	0.006	3.92	<0.5	322	0.06	275	0.14	2.41	75.0	0.8	1670	4.0
R413142		57.8	0.09	0.7	0.009	1.83	0.5	265	0.09	237	0.18	4.03	64.0	1.0	1200	7.6
R413143		49.9	0.09	2.6	0.007	2.10	0.6	204	0.08	259	0.27	4.19	61.0	1.0	1570	10.9
R413144		40.1	0.08	3.8	0.005	0.65	0.7	62.3	0.01	89	0.14	5.72	86.9	0.7	1920	3.0
R413145		39.2	0.08	4.1	0.009	0.85	0.7	100.5	0.04	176	0.37	5.07	43.7	1.4	1890	3.2
R413146		17.75	0.11	0.5	0.084	0.93	1.5	210	2.80	1880	0.17	1.94	1.7	100.5	230	7.1

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ALS Minerals

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method / Analyte / Units / LOR	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1
R413119		153.5	<0.002	0.03	0.63	37.8	2	46.4	140.0	1.14	<0.05	0.38	0.761	1.47	0.9	297
R413120		900	<0.002	0.01	0.22	3.1	1	40.7	31.2	55.4	<0.05	2.10	0.069	7.18	6.9	25
R413121		3590	<0.002	0.05	0.72	38.9	2	130.0	93.0	0.95	<0.05	0.35	0.770	31.9	0.2	306
R413122		1520	<0.002	<0.01	0.26	0.3	<1	53.5	24.1	36.2	<0.05	3.66	0.009	10.55	7.2	3
R413123		94.5	0.002	0.05	0.30	40.0	1	13.9	59.9	0.49	<0.05	0.42	0.788	1.06	0.1	306
R413124		71.8	0.002	0.14	0.27	41.1	2	2.0	75.3	0.27	<0.05	0.41	0.825	0.36	0.1	323
R413125		65.5	0.002	0.09	0.29	39.3	3	11.4	81.7	0.28	<0.05	0.40	0.786	0.22	0.1	302
R413126		41.6	0.002	0.05	0.24	37.2	2	4.7	71.2	0.25	<0.05	0.40	0.790	0.28	0.1	306
R413127		500	0.002	0.07	0.27	37.3	2	18.1	67.2	0.40	<0.05	0.39	0.802	4.74	0.1	321
R413128		2840	<0.002	<0.01	0.19	0.8	1	77.6	90.0	63.4	<0.05	2.12	0.020	20.1	4.9	7
R413129		2630	<0.002	<0.01	0.19	0.1	1	73.1	92.5	71.1	<0.05	2.39	<0.005	18.85	6.4	<1
R413130		59.1	<0.002	0.02	0.83	0.5	1	102.5	10.6	55.0	<0.05	0.15	0.036	0.94	0.9	7
R413131		139.5	<0.002	<0.01	0.05	3.1	1	0.9	237	0.42	<0.05	35.8	0.146	0.86	2.7	17
R413132		4930	<0.002	<0.01	0.14	0.5	1	121.0	147.0	58.6	<0.05	3.65	0.006	33.8	5.9	3
R413133		3210	<0.002	<0.01	0.19	<0.1	1	63.4	101.0	51.4	<0.05	2.96	<0.005	22.3	6.7	<1
R413134		2350	<0.002	<0.01	0.25	0.1	1	41.0	58.0	67.4	<0.05	2.51	<0.005	15.85	5.3	1
R413135		1670	<0.002	<0.01	0.24	0.3	1	28.1	39.0	98.3	<0.05	1.71	<0.005	11.30	6.6	1
R413136		184.5	0.005	0.11	0.39	43.6	2	6.6	106.0	0.21	0.07	0.14	0.490	1.74	0.1	290
R413137		173.5	0.005	0.13	0.32	46.0	2	15.3	119.0	2.32	0.06	0.13	0.492	1.78	0.2	293
R413138		1430	0.002	0.01	0.15	1.0	1	17.8	34.4	>100	0.07	2.34	0.014	7.85	8.0	8
R413139		1650	0.003	0.01	0.22	0.2	1	42.1	93.8	23.9	<0.05	1.24	<0.005	7.84	1.7	1
R413140		4110	0.002	<0.01	0.24	0.2	1	26.2	139.5	70.0	0.07	0.96	<0.005	24.6	2.2	<1
R413141		2810	0.002	<0.01	0.21	0.2	1	35.7	148.0	44.8	<0.05	0.56	<0.005	15.80	1.7	<1
R413142		990	0.003	0.01	0.20	0.1	1	33.3	129.5	57.7	<0.05	2.76	<0.005	3.78	3.3	<1
R413143		1620	0.002	0.01	0.20	0.1	1	28.7	89.9	72.2	<0.05	2.22	<0.005	7.59	5.1	<1
R413144		480	0.002	0.01	0.14	<0.1	1	10.6	25.4	>100	<0.05	2.88	<0.005	1.70	8.7	<1
R413145		730	0.003	0.01	0.16	0.4	1	17.1	32.0	66.8	<0.05	2.61	0.006	2.57	6.4	4
R413146		250	0.004	0.10	0.35	45.1	2	16.6	158.5	0.39	0.06	0.12	0.495	2.36	0.1	291

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81
	Analyte	W	Y	Zn	Zr	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01
R413119		1.4	27.7	208	16.5											
R413120		1.0	3.1	49	41.8											
R413121		1.1	27.3	134	17.5	82.2	11.6	150	518	4.63	2.88	1.12	18.7	3.85	2.5	1.02
R413122		1.3	0.9	29	15.9											
R413123		0.8	29.7	128	26.2											
R413124		1.2	28.5	122	38.6											
R413125		1.1	30.1	141	32.3											
R413126		0.9	27.8	117	27.9											
R413127		4.7	27.4	131	30.3											
R413128		1.0	0.9	73	12.7											
R413129		0.6	0.1	28	21.4											
R413130		7.3	0.5	63	20.9											
R413131		0.3	5.8	39	221											
R413132		1.6	0.6	47	14.1											
R413133		0.8	0.2	30	21.6											
R413134		0.7	0.4	34	25.5											
R413135		0.6	0.7	26	22.4											
R413136		0.5	17.5	120	13.4											
R413137		1.5	18.3	94	10.1											
R413138		0.9	1.0	14	11.6	111.5	1.8	10	44.4	0.21	0.12	0.10	36.1	0.13	3.8	0.03
R413139		1.3	0.6	26	0.7											
R413140		1.1	0.6	26	2.9											
R413141		1.8	1.5	39	1.6											
R413142		1.0	0.4	49	4.3											
R413143		0.6	0.3	107	14.8											
R413144		0.6	0.2	11	19.2	58.5	3.7	20	12.40	0.11	<0.03	0.09	41.5	0.09	4.5	0.01
R413145		0.5	0.4	50	21.8											
R413146		0.7	18.1	159	11.4											

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North Vancouver BC V7H 0A7
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SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Project: Falcon Lake

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	ME- MS81 La ppm 0.5	ME- MS81 Lu ppm 0.01	ME- MS81 Nb ppm 0.2	ME- MS81 Nd ppm 0.1	ME- MS81 Pr ppm 0.03	ME- MS81 Rb ppm 0.2	ME- MS81 Sm ppm 0.03	ME- MS81 Sn ppm 1	ME- MS81 Sr ppm 0.1	ME- MS81 Ta ppm 0.1	ME- MS81 Tb ppm 0.01	ME- MS81 Th ppm 0.05	ME- MS81 Tm ppm 0.01	ME- MS81 U ppm 0.05	ME- MS81 V ppm 5
R413119																
R413120																
R413121		4.3	0.46	4.3	9.1	1.72	3880	2.96	126	52.8	1.0	0.71	0.42	0.46	0.15	352
R413122																
R413123																
R413124																
R413125																
R413126																
R413127																
R413128																
R413129																
R413130																
R413131																
R413132																
R413133																
R413134																
R413135																
R413136																
R413137																
R413138		0.8	0.01	76.4	0.9	0.23	1525	0.20	21	33.0	183.0	0.03	2.21	0.02	6.90	9
R413139																
R413140																
R413141																
R413142																
R413143																
R413144		1.7	0.01	62.1	1.6	0.43	513	0.26	18	27.4	80.1	0.02	3.37	<0.01	8.24	<5
R413145																
R413146																

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CERTIFICATE OF ANALYSIS TB16100848

Sample Description	Method Analyte Units LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413119						
R413120						
R413121		1	26.5	3.04	81	
R413122						
R413123						
R413124						
R413125						
R413126						
R413127						
R413128						
R413129						
R413130						2.830
R413131						
R413132						
R413133						
R413134						
R413135						
R413136						
R413137						
R413138		1	1.1	0.04	19	
R413139						
R413140						
R413141						
R413142						
R413143						
R413144		1	<0.5	<0.03	21	
R413145						
R413146						

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Project: Falcon Lake

Finalized Date: 16- JUL- 2016
Account: SCIGLQRR

CERTIFICATE OF ANALYSIS TB16100848

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.

Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Li- OG63	ME- MS61	ME- MS81	ME- OG62o

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341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

CERTIFICATE TB16103425

Project: Falcon Lake

P.O. No.: Sunrise03

This report is for 81 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28- JUN- 2016.

The following have access to data associated with this certificate:

TIM BIRT		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- MS81	Lithium Borate Fusion ICP- MS	ICP- MS
Li- OG63	Ore grade Li - 4ACID	ICP- AES
ME- OG62o	Ore Grade open beaker - ICPAES	ICP- AES

To: SUNRISE CANADA INC.
ATTN: TIM BIRT
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R413147	2.51	0.08	7.44	0.8	140	1.43	0.17	6.31	0.15	13.05	48.4	111	66.7	127.0	10.70
R413148	2.07	0.03	7.38	1.2	20	161.5	0.08	0.85	<0.02	0.99	4.1	14	84.0	25.7	1.10
R413149	2.53	0.08	7.72	0.7	130	1.58	0.16	5.77	0.15	13.95	50.1	112	51.8	137.5	10.20
R413150	<0.02	0.08	7.11	4.2	10	587	0.76	0.37	<0.02	0.32	1.6	191	51.7	20.0	0.56
R413151	1.20	0.06	6.79	<0.2	950	1.28	0.04	1.00	<0.02	144.0	3.6	9	2.04	7.2	1.49
R413152	2.19	0.07	8.39	0.4	130	42.6	0.21	5.40	0.28	14.60	45.6	120	>500	137.5	7.79
R413153	1.56	0.01	7.49	0.5	70	311	0.07	0.48	<0.02	0.40	1.2	6	196.0	18.0	0.44
R413154	2.33	0.12	8.45	0.9	150	4.86	0.18	5.48	0.27	15.80	56.4	134	314	188.0	8.74
R413155	2.38	0.17	8.34	1.0	100	1.43	0.16	5.75	0.20	13.70	49.1	129	54.0	138.5	7.84
R413156	2.18	0.08	8.21	1.8	110	2.08	0.10	5.27	0.23	13.95	48.9	125	54.5	139.0	7.82
R413157	2.19	0.05	8.10	1.2	80	2.15	0.11	5.49	0.20	15.30	50.3	124	45.2	107.0	7.98
R413158	1.41	0.08	8.15	0.5	80	3.60	0.14	5.80	0.28	15.45	53.4	115	63.8	127.0	8.85
R413159	2.15	<0.01	7.18	15.3	150	106.5	0.10	0.87	0.08	0.52	9.9	5	54.9	8.2	0.61
R413160	1.91	0.01	7.29	0.7	220	146.0	0.65	0.74	0.05	0.21	0.5	3	45.7	7.7	0.59
R413161	2.11	<0.01	7.36	0.6	240	170.5	1.90	1.35	<0.02	0.10	0.4	5	62.6	3.3	0.61
R413162	1.71	<0.01	7.20	0.5	170	199.5	0.37	1.48	<0.02	0.14	0.4	4	48.7	3.8	0.55
R413163	1.37	<0.01	7.14	0.9	150	113.5	0.05	0.72	0.08	0.76	0.7	6	52.0	6.3	0.59
R413164	2.19	0.07	8.39	5.9	100	4.06	0.16	5.62	0.24	13.90	60.0	123	65.2	115.5	9.98
R413165	2.48	0.08	8.88	0.7	100	1.11	0.14	6.79	0.18	15.50	58.6	135	49.4	147.0	10.55
R413166	2.30	0.05	7.89	0.8	80	1.29	0.12	5.99	0.14	12.50	54.7	113	38.6	119.0	9.39
R413167	2.54	0.06	7.95	1.0	80	1.40	0.12	6.35	0.25	14.60	54.6	112	7.30	85.3	9.63
R413168	2.27	0.07	7.58	0.9	170	15.90	0.15	4.26	<0.02	13.50	48.5	120	>500	111.0	9.82
R413169	1.47	<0.01	7.61	2.2	80	118.5	0.31	1.32	<0.02	1.64	6.0	16	79.1	11.3	1.41
R413170	<0.02	0.08	6.57	3.7	<10	554	0.72	0.34	<0.02	0.25	1.4	184	48.0	7.3	0.51
R413171	1.01	0.04	7.19	0.3	980	1.30	0.04	1.05	0.02	137.5	2.8	6	3.18	5.8	1.29
R413172	2.66	0.08	7.61	0.7	100	2.79	0.13	5.96	0.32	12.95	50.1	104	70.9	117.5	11.00
R413173	1.47	0.06	7.51	1.3	180	1.52	0.08	6.57	0.11	24.1	53.1	74	49.5	162.5	9.96
R413174	2.19	0.07	7.32	2.9	120	4.21	0.14	5.52	0.11	12.40	51.8	112	279	102.5	10.70
R413175	1.34	<0.01	7.40	0.8	140	183.5	0.06	0.71	0.05	0.82	1.1	3	27.5	2.8	0.48
R413176	0.61	0.14	7.15	4.7	100	13.80	0.16	5.85	<0.02	21.5	51.3	73	16.80	153.0	9.01
R413177	2.07	<0.01	7.27	1.8	200	165.0	0.08	0.74	0.13	0.81	1.9	5	86.6	2.9	0.49
R413178	1.98	<0.01	7.06	0.9	280	102.0	0.06	0.75	0.03	0.26	0.6	4	91.9	1.2	0.35
R413179	1.88	<0.01	7.60	0.5	390	93.4	0.06	1.12	<0.02	0.15	0.6	4	53.2	1.5	0.39
R413180	2.10	<0.01	7.18	0.9	310	166.5	0.05	0.82	<0.02	0.33	0.5	4	69.0	2.4	0.42
R413181	2.53	<0.01	6.60	0.8	110	223	0.06	0.54	0.08	1.68	0.5	5	124.0	3.9	0.27
R413182	2.29	0.09	7.69	0.3	240	2.75	0.11	5.85	0.04	11.10	66.2	106	58.0	140.0	10.35
R413183	2.13	0.02	7.93	0.3	400	4.02	0.36	3.42	0.07	111.5	20.7	58	144.0	24.6	4.76
R413184	2.01	0.02	7.66	0.6	200	141.5	0.08	1.00	0.04	16.95	6.6	9	43.0	5.8	1.07
R413185	1.97	<0.01	7.49	0.3	520	130.5	0.06	0.81	<0.02	1.88	1.6	4	84.9	3.3	0.78
R413186	2.00	<0.01	7.57	1.6	320	152.0	0.06	0.92	0.06	1.73	1.1	4	82.7	4.0	0.67

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method Analyte Units LOR	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10	ME- MS61 Pb ppm 0.5
R413147		18.30	<0.05	0.9	0.093	0.79	4.4	158.0	2.96	1770	0.45	1.37	3.9	80.5	500	2.2
R413148		53.3	<0.05	3.0	<0.005	0.59	<0.5	87.2	0.20	502	0.19	5.44	69.5	7.7	1950	6.4
R413149		19.55	<0.05	1.0	0.090	0.63	4.6	194.5	2.84	1900	0.87	1.78	4.2	82.9	480	5.1
R413150		45.2	<0.05	2.3	<0.005	0.22	<0.5	>10000	0.04	1040	0.45	0.61	120.5	4.4	7130	4.9
R413151		17.50	0.27	6.5	0.016	4.03	76.4	20.9	0.26	234	0.28	2.54	5.6	2.9	420	37.3
R413152		23.7	0.06	0.8	0.069	1.25	5.0	850	2.43	1600	0.19	1.80	10.0	75.4	1530	4.3
R413153		61.6	0.08	2.8	<0.005	1.89	<0.5	4020	0.05	207	0.15	4.52	122.0	2.3	6570	5.4
R413154		22.0	<0.05	1.2	0.111	1.12	5.3	570	2.43	1640	0.48	2.00	5.7	92.9	630	5.4
R413155		20.7	0.08	1.1	0.103	0.63	4.7	530	2.30	1640	0.31	2.16	4.2	88.3	500	4.3
R413156		21.1	0.08	1.4	0.102	0.64	4.8	610	2.43	1590	0.47	2.46	4.3	90.9	510	3.6
R413157		20.8	<0.05	1.2	0.108	0.47	5.2	520	2.26	1720	0.68	2.43	5.0	89.9	490	3.4
R413158		21.7	<0.05	1.1	0.099	0.56	5.1	520	2.27	2140	0.73	1.98	4.8	89.4	600	11.7
R413159		53.3	0.05	1.2	<0.005	2.50	<0.5	780	0.06	278	0.12	3.78	70.8	2.3	1870	6.4
R413160		59.5	0.09	0.3	<0.005	2.52	<0.5	570	0.05	316	0.08	3.69	77.8	0.9	1460	4.0
R413161		63.8	0.13	0.4	<0.005	3.14	<0.5	580	0.03	327	0.10	2.89	64.6	0.8	1550	3.9
R413162		66.5	0.10	0.3	<0.005	2.10	<0.5	530	0.04	293	0.09	3.28	76.5	0.8	1100	2.9
R413163		50.4	0.15	1.1	<0.005	2.65	<0.5	470	0.07	187	0.23	4.10	56.7	1.7	1430	7.5
R413164		22.7	<0.05	1.2	0.125	0.67	4.8	550	2.73	2310	0.36	2.05	4.8	97.0	490	6.3
R413165		21.8	0.08	1.1	0.104	0.57	5.4	490	2.77	2190	0.45	2.41	4.5	102.5	530	4.3
R413166		20.5	<0.05	1.0	0.102	0.44	4.6	383	2.20	2040	0.46	2.14	4.2	92.9	460	2.8
R413167		19.60	<0.05	0.8	0.101	0.46	5.1	309	1.99	2080	0.37	1.81	4.4	99.0	470	4.8
R413168		25.1	<0.05	0.8	0.040	1.83	4.4	1000	2.31	1700	0.17	1.51	6.0	85.1	2000	19.9
R413169		57.7	<0.05	1.8	<0.005	0.95	0.7	386	0.27	272	0.11	4.76	62.8	10.6	1430	15.1
R413170		44.1	<0.05	2.1	<0.005	0.21	<0.5	>10000	0.03	961	0.28	0.59	114.5	3.9	6710	4.7
R413171		18.45	0.24	6.4	0.014	4.20	74.4	22.9	0.23	221	0.23	2.69	5.1	2.4	330	39.9
R413172		19.90	<0.05	0.9	0.092	0.58	4.5	1030	3.82	1940	0.32	1.59	4.2	85.4	470	19.6
R413173		20.3	<0.05	2.9	0.078	0.54	9.6	327	3.81	1810	0.38	2.04	5.6	112.0	610	2.3
R413174		19.60	<0.05	0.9	0.088	0.90	4.0	720	3.74	1830	0.23	1.69	3.8	84.0	460	4.6
R413175		58.0	<0.05	3.5	<0.005	1.31	<0.5	308	0.10	150	0.11	4.72	70.9	1.5	1170	4.0
R413176		24.6	<0.05	2.8	0.033	0.40	8.2	273	3.56	1800	0.45	2.14	7.9	106.0	620	54.1
R413177		44.2	<0.05	5.5	<0.005	2.50	<0.5	276	0.08	152	0.12	4.59	81.7	3.2	3040	5.0
R413178		51.6	0.06	5.3	<0.005	2.81	<0.5	222	0.04	161	0.08	3.90	80.4	1.0	1950	4.9
R413179		68.8	0.05	2.3	<0.005	2.41	<0.5	315	0.07	297	0.08	3.53	58.3	0.7	1140	3.9
R413180		55.8	0.07	2.7	<0.005	2.44	<0.5	178.0	0.05	214	0.09	3.88	59.4	0.8	1150	3.6
R413181		39.4	0.09	2.8	<0.005	1.93	1.1	155.0	0.03	103	0.16	5.21	53.5	1.4	2820	3.5
R413182		18.95	<0.05	0.6	0.117	1.12	5.4	266	3.69	2050	0.20	1.60	1.4	96.7	240	2.6
R413183		20.3	0.13	5.0	0.050	1.04	49.8	235	2.20	921	0.07	3.32	11.9	29.8	1410	4.7
R413184		51.2	0.07	1.8	<0.005	2.08	6.4	168.5	0.26	305	0.10	4.26	39.0	3.5	2610	2.6
R413185		63.7	0.07	0.5	<0.005	3.68	1.1	196.5	0.12	245	0.09	2.88	38.1	0.9	1000	2.1
R413186		63.2	0.08	1.5	<0.005	2.35	0.8	229	0.11	328	0.12	3.84	40.4	0.9	1230	2.4

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method / Analyte / Units / LOR	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1
R413147		187.5	0.002	0.22	0.63	41.7	1	7.2	95.9	0.69	0.06	0.41	0.789	1.52	0.1	310
R413148		930	<0.002	0.04	0.59	3.1	<1	73.4	22.9	>100	<0.05	2.55	0.060	5.20	5.3	25
R413149		111.5	0.006	0.27	0.50	43.3	2	6.8	97.5	0.60	0.07	0.41	0.816	0.75	0.1	325
R413150		45.6	<0.002	0.03	0.85	0.8	<1	122.5	14.2	65.5	<0.05	0.19	0.039	0.91	1.7	8
R413151		131.5	<0.002	0.01	<0.05	3.4	<1	0.8	253	0.51	<0.05	38.9	0.161	0.79	2.6	19
R413152		2480	<0.002	0.14	0.20	41.9	1	40.9	116.0	21.2	<0.05	0.54	0.851	22.4	0.4	322
R413153		3880	<0.002	0.01	0.11	0.5	<1	104.0	40.4	>100	<0.05	0.83	0.009	25.5	5.0	4
R413154		740	0.002	0.30	0.26	47.7	2	16.8	126.5	5.88	<0.05	0.46	0.892	6.41	0.2	347
R413155		90.4	0.002	0.17	0.30	44.2	2	2.9	112.5	0.59	0.09	0.42	0.863	0.34	0.1	338
R413156		87.0	0.002	0.17	0.20	42.8	2	4.5	123.0	0.37	<0.05	0.41	0.831	0.41	0.1	329
R413157		98.4	0.003	0.17	0.16	42.5	2	4.1	114.0	0.39	0.06	0.43	0.869	0.42	0.1	330
R413158		241	0.004	0.17	0.29	46.5	1	13.0	113.5	1.01	<0.05	0.43	0.859	1.86	0.1	335
R413159		2060	<0.002	0.01	0.14	0.3	<1	41.7	73.1	58.0	<0.05	3.48	0.006	12.95	6.5	2
R413160		1620	<0.002	0.01	0.16	0.1	<1	42.1	110.5	30.6	<0.05	2.29	<0.005	9.26	4.2	1
R413161		2510	<0.002	<0.01	0.18	0.1	<1	72.6	145.5	31.5	<0.05	1.51	<0.005	14.20	2.3	<1
R413162		1530	<0.002	<0.01	0.12	<0.1	<1	61.3	108.5	26.0	<0.05	2.71	<0.005	7.09	3.5	<1
R413163		2070	<0.002	0.01	0.15	0.2	<1	26.8	65.9	30.3	<0.05	3.38	0.006	12.55	5.8	2
R413164		277	0.002	0.21	0.30	48.2	2	15.8	114.0	0.94	<0.05	0.41	0.881	2.13	0.2	382
R413165		118.0	0.002	0.21	0.25	48.4	2	2.8	126.0	0.36	<0.05	0.47	0.911	0.49	0.1	360
R413166		76.3	0.002	0.14	0.22	41.5	1	5.0	107.0	0.27	<0.05	0.39	0.814	0.26	0.1	321
R413167		85.7	0.002	0.18	0.26	43.7	1	5.3	109.0	0.30	0.05	0.37	0.840	0.44	0.1	321
R413168		3430	<0.002	0.06	0.32	43.4	1	102.0	114.5	6.01	<0.05	0.43	0.806	29.4	0.4	321
R413169		1010	<0.002	0.01	0.14	3.9	<1	76.7	57.5	55.4	<0.05	2.73	0.089	4.57	5.6	34
R413170		42.8	<0.002	0.02	1.31	0.7	<1	114.0	14.0	62.8	<0.05	0.18	0.037	0.90	1.8	8
R413171		139.5	<0.002	0.01	<0.05	3.3	<1	0.9	254	0.44	<0.05	38.4	0.155	0.86	2.4	16
R413172		279	0.002	0.09	0.28	42.8	1	18.3	155.0	0.98	<0.05	0.39	0.778	1.44	0.1	311
R413173		211	0.002	0.12	0.48	37.3	1	23.7	189.5	0.42	<0.05	1.82	0.839	0.97	0.6	321
R413174		660	<0.002	0.07	0.27	44.3	1	24.6	144.0	0.48	<0.05	0.37	0.795	6.72	0.1	316
R413175		1160	<0.002	0.01	0.18	0.2	<1	46.6	113.5	100.0	<0.05	1.71	0.006	4.55	4.8	2
R413176		108.0	0.002	0.09	0.47	35.7	1	132.5	153.0	6.84	<0.05	1.71	0.779	1.12	0.7	304
R413177		3040	<0.002	0.01	0.14	0.7	<1	33.4	75.7	>100	<0.05	1.52	0.017	18.30	6.2	6
R413178		3100	<0.002	0.01	0.13	0.1	<1	48.4	157.0	94.0	<0.05	2.04	<0.005	18.20	6.8	1
R413179		1820	<0.002	0.01	0.12	<0.1	<1	110.5	264	51.2	<0.05	2.85	<0.005	8.63	6.0	<1
R413180		2190	<0.002	0.01	0.13	<0.1	<1	63.1	172.0	57.9	<0.05	2.12	<0.005	12.00	5.4	<1
R413181		2750	<0.002	0.01	0.14	0.2	<1	21.5	38.1	>100	<0.05	1.06	<0.005	18.65	4.3	1
R413182		195.5	0.002	0.25	0.34	50.3	1	39.4	90.9	0.42	<0.05	0.13	0.493	1.29	0.1	300
R413183		417	<0.002	0.01	0.14	13.9	1	10.1	380	1.34	0.30	9.34	0.360	4.13	2.9	100
R413184		1160	<0.002	0.02	0.19	1.4	<1	31.4	80.4	51.8	<0.05	2.73	0.037	3.67	6.4	7
R413185		1880	<0.002	0.01	0.20	0.3	<1	36.8	164.5	37.8	<0.05	1.17	<0.005	6.50	1.9	<1
R413186		1400	<0.002	<0.01	0.20	0.2	<1	45.4	170.0	41.4	<0.05	2.53	<0.005	4.70	3.9	<1

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ALS Minerals

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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SUITE 4, LEVEL 9
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Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method / Analyte / Units / LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	ME- MS81 Ba ppm 0.5	ME- MS81 Ce ppm 0.5	ME- MS81 Cr ppm 10	ME- MS81 Cs ppm 0.01	ME- MS81 Dy ppm 0.05	ME- MS81 Er ppm 0.03	ME- MS81 Eu ppm 0.03	ME- MS81 Ga ppm 0.1	ME- MS81 Gd ppm 0.05	ME- MS81 Hf ppm 0.2	ME- MS81 Ho ppm 0.01
R413147		0.9	28.7	117	25.0											
R413148		1.6	2.1	41	22.8	19.4	1.0	20	79.0	0.35	0.22	0.09	49.7	0.34	2.8	0.07
R413149		1.1	29.1	128	32.5											
R413150		15.7	0.5	74	27.8											
R413151		0.3	8.0	44	236											
R413152		2.6	26.5	179	17.0	130.5	12.7	160	1200	4.66	2.95	1.09	24.9	4.04	2.3	1.03
R413153		1.2	0.3	61	14.2	81.0	0.5	10	187.0	0.06	<0.03	<0.03	58.1	0.06	3.1	<0.01
R413154		1.4	29.4	167	37.6											
R413155		0.8	26.9	143	35.0											
R413156		0.9	26.5	146	47.6											
R413157		1.0	27.3	134	40.7											
R413158		4.0	29.8	180	34.7											
R413159		1.4	0.7	20	8.3											
R413160		2.2	0.2	17	1.6											
R413161		1.9	0.2	15	2.0											
R413162		2.2	0.2	15	1.4											
R413163		0.9	0.7	17	10.4											
R413164		3.6	30.9	178	34.3											
R413165		1.1	31.7	165	33.7											
R413166		0.8	30.8	126	30.9											
R413167		0.7	29.5	153	20.7											
R413168		1.9	28.2	269	20.1	182.0	12.5	160	787	4.83	3.12	1.04	25.4	3.95	2.2	1.10
R413169		1.1	2.9	79	17.9											
R413170		7.2	0.4	64	27.1											
R413171		0.3	5.9	40	222											
R413172		1.3	29.4	216	35.4											
R413173		0.6	26.4	130	109.5											
R413174		0.7	29.8	129	24.5											
R413175		0.5	0.6	36	19.3	156.5	0.8	10	25.4	0.15	0.05	0.04	55.1	0.08	2.2	0.01
R413176		0.9	25.0	410	99.5											
R413177		0.6	0.6	58	34.1	212	0.8	10	76.4	0.10	0.05	<0.03	42.0	0.11	4.6	0.01
R413178		0.5	0.2	26	35.7											
R413179		0.5	0.2	37	16.1											
R413180		0.5	0.1	20	19.5											
R413181		0.5	0.6	26	14.3	119.0	1.7	10	106.0	0.13	<0.03	0.07	36.7	0.14	3.7	0.01
R413182		0.7	21.6	122	14.2											
R413183		0.4	21.2	62	210											
R413184		0.7	8.3	17	40.6											
R413185		0.9	1.0	27	5.6											
R413186		0.8	1.1	50	13.1											

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Finalized Date: 20- JUL- 2016
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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method Analyte Units LOR	ME- MS81 La ppm 0.5	ME- MS81 Lu ppm 0.01	ME- MS81 Nb ppm 0.2	ME- MS81 Nd ppm 0.1	ME- MS81 Pr ppm 0.03	ME- MS81 Rb ppm 0.2	ME- MS81 Sm ppm 0.03	ME- MS81 Sn ppm 1	ME- MS81 Sr ppm 0.1	ME- MS81 Ta ppm 0.1	ME- MS81 Tb ppm 0.01	ME- MS81 Th ppm 0.05	ME- MS81 Tm ppm 0.01	ME- MS81 U ppm 0.05	ME- MS81 V ppm 5
R413147																
R413148		<0.5	0.03	71.6	0.7	0.15	1005	0.26	105	20.9	106.0	0.04	2.65	0.04	5.22	25
R413149																
R413150																
R413151																
R413152		5.0	0.42	10.4	10.8	1.92	2870	3.26	42	97.5	20.7	0.74	0.50	0.44	0.44	340
R413153		<0.5	<0.01	118.0	0.3	0.06	4120	0.06	547	40.0	342	0.01	1.50	<0.01	11.25	<5
R413154																
R413155																
R413156																
R413157																
R413158																
R413159																
R413160																
R413161																
R413162																
R413163																
R413164																
R413165																
R413166																
R413167																
R413168		4.7	0.48	6.2	10.7	1.91	4060	3.43	96	94.8	7.8	0.77	0.42	0.46	0.38	331
R413169																
R413170																
R413171																
R413172																
R413173																
R413174																
R413175		<0.5	<0.01	67.5	0.5	0.10	1255	0.11	111	108.5	103.5	0.01	1.89	<0.01	5.34	<5
R413176																
R413177		<0.5	<0.01	80.7	0.5	0.08	3220	0.12	80	62.6	129.0	0.01	1.60	<0.01	6.25	6
R413178																
R413179																
R413180																
R413181		1.1	<0.01	50.9	0.8	0.16	2790	0.16	165	33.0	151.0	<0.01	1.09	<0.01	4.17	<5
R413182																
R413183																
R413184																
R413185																
R413186																

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method Analyte Units LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413147						
R413148		2	2.2	0.22	23	
R413149						
R413150						2.930
R413151						
R413152		3	25.9	3.02	84	
R413153		5	<0.5	0.03	15	
R413154						
R413155						
R413156						
R413157						
R413158						
R413159						
R413160						
R413161						
R413162						
R413163						
R413164						
R413165						
R413166						
R413167						
R413168		3	27.1	3.12	82	
R413169						
R413170						2.910
R413171						
R413172						
R413173						
R413174						
R413175		1	0.7	<0.03	14	
R413176						
R413177		1	0.6	0.07	29	
R413178						
R413179						
R413180						
R413181		1	0.6	0.03	19	
R413182						
R413183						
R413184						
R413185						
R413186						

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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
Method / Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R413187	1.36	0.03	7.14	1.1	260	155.5	0.10	0.45	0.08	3.05	0.8	4	67.6	2.9	0.47
R413188	1.60	0.07	7.54	1.3	170	13.70	0.06	6.39	0.13	24.5	53.5	78	30.2	193.5	9.88
R413189	1.07	0.01	7.68	2.2	260	44.5	0.10	0.72	<0.02	1.46	3.5	4	35.7	8.6	1.08
R413190	<0.02	0.07	6.78	4.2	<10	587	0.74	0.35	<0.02	0.24	1.6	181	52.6	26.0	0.52
R413191	0.93	0.04	7.03	<0.2	970	1.38	0.03	1.01	0.02	100.5	3.3	6	2.43	5.9	1.31
R413192	2.35	0.09	6.90	1.1	160	1.08	0.05	6.11	0.14	22.4	50.0	75	8.85	186.5	9.38
R413193	2.83	0.07	7.88	1.0	70	1.47	0.19	8.20	0.16	6.12	53.8	147	5.85	144.0	8.53
R413194	1.55	<0.01	7.61	2.4	40	91.8	1.62	0.45	<0.02	0.13	0.5	5	258	2.9	0.71
R413195	1.49	0.01	6.85	1.5	60	304	2.94	0.63	<0.02	0.18	0.9	4	211	18.6	0.64
R413196	2.43	0.05	7.43	0.8	100	2.34	0.27	7.59	0.16	5.73	51.7	144	60.2	129.0	8.58
R413197	1.50	0.06	7.80	0.9	100	1.57	0.12	7.52	0.22	9.07	49.7	129	5.88	72.1	9.15
R413198	2.45	<0.01	7.01	0.8	90	149.5	1.10	0.54	0.03	0.30	0.7	5	229	7.1	0.44
R413199	2.26	0.02	8.16	1.3	90	19.95	0.36	7.57	<0.02	9.28	49.6	125	102.0	116.5	8.85
R413200	2.41	0.02	7.14	1.5	30	68.3	0.32	0.31	<0.02	0.11	0.6	5	244	3.5	0.48
R413201	2.25	<0.01	7.54	0.8	10	187.5	0.24	0.35	<0.02	0.18	0.3	4	223	1.0	0.53
R413202	2.21	<0.01	7.02	0.8	20	201	0.53	0.26	<0.02	0.04	0.2	4	182.0	1.2	0.48
R413203	2.25	0.01	7.29	0.8	10	163.0	2.22	0.28	<0.02	0.09	0.2	4	305	0.6	0.50
R413204	2.26	0.01	7.38	1.2	10	182.0	2.28	0.25	<0.02	0.07	0.2	5	272	0.5	0.55
R413205	1.78	0.01	6.87	0.8	10	116.5	1.60	0.23	<0.02	0.03	0.2	3	194.0	1.0	0.43
R413206	1.64	0.01	7.13	1.3	70	194.5	11.45	0.28	<0.02	0.45	0.5	3	285	1.6	0.61
R413207	2.31	<0.01	7.53	1.5	10	207	23.7	0.28	<0.02	0.24	0.2	5	265	0.9	0.60
R413208	2.42	<0.01	7.13	0.7	10	181.0	8.94	0.21	<0.02	0.09	0.1	5	156.0	0.8	0.56
R413209	2.09	0.15	6.93	0.9	10	133.0	5.90	0.18	0.08	0.07	0.2	6	303	0.8	0.55
R413210	<0.02	0.18	7.35	4.4	10	574	0.73	0.39	<0.02	0.31	1.5	182	51.5	10.9	0.56
R413211	1.16	0.09	7.18	0.5	930	1.38	0.05	1.09	0.04	124.0	2.7	7	2.50	5.4	1.44
R413212	2.14	0.03	7.69	1.6	10	220	11.60	0.26	0.13	0.21	0.2	5	195.0	0.9	0.68
R413213	2.27	<0.01	7.11	1.6	10	158.0	5.17	0.24	0.05	0.24	0.1	4	132.5	0.5	0.52
R413214	2.35	0.01	7.65	1.7	40	113.5	10.50	0.20	<0.02	0.07	0.2	5	219	0.6	0.63
R413215	2.33	<0.01	7.29	1.6	20	165.5	10.25	0.24	0.04	0.09	0.2	4	188.0	0.6	0.64
R413216	2.17	<0.01	7.37	1.2	10	152.0	0.56	0.19	0.09	0.06	0.2	6	110.0	0.5	0.65
R413217	2.01	0.01	7.24	1.9	10	173.5	5.84	0.22	<0.02	0.06	0.2	6	177.0	1.0	0.71
R413218	2.11	<0.01	6.55	0.9	50	146.5	3.49	0.31	<0.02	0.07	0.2	4	232	0.8	0.58
R413219	2.15	<0.01	7.10	1.1	10	190.0	17.95	0.34	<0.02	0.15	0.1	5	294	0.8	0.62
R413220	2.38	0.03	7.22	1.2	40	182.5	11.10	0.23	<0.02	0.08	0.2	6	317	0.7	0.72
R413221	2.12	<0.01	7.48	1.0	10	177.5	2.93	0.22	0.08	0.04	0.1	6	151.0	0.4	0.67
R413222	1.98	0.01	7.05	0.8	70	145.0	0.13	0.33	0.06	0.27	0.5	7	95.4	2.0	0.63
R413223	2.37	0.11	7.84	1.5	190	32.0	0.21	5.57	0.59	9.91	44.7	142	36.2	83.1	8.87
R413224	1.89	0.05	6.87	1.0	140	1.12	0.15	7.74	0.11	8.33	45.8	117	8.75	93.0	8.33
R413225	2.47	0.08	6.98	0.6	120	0.99	0.14	9.24	0.08	8.95	45.2	115	4.39	158.5	8.05
R413226	2.54	0.08	7.34	0.6	130	0.60	0.14	8.97	0.10	8.60	52.4	112	4.95	175.5	9.95

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ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20-JUL-2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
R413187		49.1	0.09	4.6	<0.005	2.31	1.3	148.0	0.09	254	0.14	4.59	51.0	1.1	1330	3.5
R413188		22.9	0.05	2.6	0.091	0.65	9.7	161.0	3.71	1480	0.50	1.85	6.4	113.0	600	3.3
R413189		59.1	<0.05	2.3	<0.005	1.44	0.8	190.0	0.28	281	0.11	4.47	15.9	3.5	620	2.1
R413190		49.0	0.05	2.2	<0.005	0.22	<0.5	>10000	0.03	974	0.30	0.62	121.5	4.4	7150	4.8
R413191		18.10	0.22	5.8	0.015	4.14	52.3	20.3	0.22	235	0.21	2.71	5.6	2.1	300	37.3
R413192		18.65	<0.05	2.5	0.075	0.48	8.9	70.8	3.43	1480	0.45	1.67	5.0	106.5	580	4.3
R413193		15.90	<0.05	0.4	0.063	0.54	2.3	339	4.30	1640	0.14	0.96	1.9	141.0	230	3.9
R413194		79.4	<0.05	1.0	<0.005	1.87	<0.5	9880	0.06	378	0.09	2.15	53.9	2.9	1340	5.7
R413195		66.2	<0.05	0.7	<0.005	1.67	<0.5	3740	0.07	227	0.09	2.80	72.2	3.9	1320	5.9
R413196		15.65	<0.05	0.4	0.065	0.68	2.0	640	4.66	1580	0.13	1.18	1.8	130.0	210	4.9
R413197		17.65	<0.05	0.6	0.071	0.32	3.3	570	3.78	1860	0.14	1.33	2.7	117.5	350	10.4
R413198		55.7	<0.05	2.6	<0.005	1.34	<0.5	3890	0.05	291	0.11	4.35	78.0	2.9	1400	4.2
R413199		24.3	<0.05	0.5	0.034	0.52	3.4	1130	3.40	2080	0.12	0.87	5.8	117.0	400	0.8
R413200		57.8	<0.05	0.6	<0.005	2.82	<0.5	7270	0.04	342	0.13	2.64	53.9	2.2	1370	5.0
R413201		70.5	<0.05	1.1	<0.005	2.17	<0.5	7320	0.02	489	0.08	2.78	95.3	1.9	1950	3.6
R413202		66.3	<0.05	0.5	<0.005	1.21	<0.5	7740	0.03	387	0.09	2.98	76.2	1.7	1520	2.2
R413203		70.6	0.06	0.8	<0.005	2.53	<0.5	8690	0.02	421	0.09	2.03	77.8	1.1	1790	4.2
R413204		69.5	0.09	0.7	<0.005	2.32	<0.5	9110	0.02	398	0.08	2.02	82.4	1.3	1500	3.7
R413205		60.4	0.09	1.1	<0.005	1.71	<0.5	7560	0.02	332	0.09	2.84	65.0	0.9	1470	3.7
R413206		62.0	0.09	0.9	<0.005	2.32	<0.5	5520	0.04	301	0.10	2.99	74.1	1.8	1570	4.0
R413207		75.8	0.12	1.0	<0.005	2.42	<0.5	9560	0.02	475	0.11	1.84	88.0	0.9	1910	4.6
R413208		68.6	0.08	0.6	<0.005	1.16	<0.5	9660	0.01	456	0.12	2.35	78.9	1.1	1310	6.2
R413209		64.1	0.13	1.0	<0.005	1.90	<0.5	8760	0.01	520	0.11	2.41	75.4	1.2	1640	5.0
R413210		43.2	<0.05	2.3	<0.005	0.22	<0.5	>10000	0.04	1030	0.34	0.60	112.0	4.4	7360	5.8
R413211		18.25	0.23	6.6	0.017	4.04	67.4	36.4	0.25	217	0.24	2.67	4.4	2.7	360	38.4
R413212		74.4	0.06	0.8	<0.005	1.23	<0.5	9750	0.01	544	0.14	2.41	90.9	1.2	1730	4.4
R413213		63.3	0.09	0.7	<0.005	2.44	<0.5	5230	0.01	480	0.10	3.04	81.9	1.1	1670	4.8
R413214		67.5	0.08	1.2	<0.005	1.98	<0.5	9810	0.01	567	0.14	2.17	57.6	1.1	1440	4.1
R413215		66.7	0.07	0.6	<0.005	2.16	<0.5	7430	0.02	565	0.12	2.40	71.4	1.3	1480	4.0
R413216		62.9	0.10	0.5	<0.005	2.33	<0.5	8090	0.01	604	0.15	2.45	80.1	1.3	1340	4.2
R413217		76.5	0.05	0.6	<0.005	1.32	<0.5	>10000	0.02	673	0.12	1.43	70.5	1.4	1860	2.9
R413218		56.7	0.10	1.0	<0.005	2.78	<0.5	1490	0.02	409	0.11	3.56	64.0	1.1	1950	3.4
R413219		66.7	0.10	1.3	<0.005	2.03	<0.5	5690	0.02	612	0.11	2.64	83.3	1.0	2620	4.3
R413220		69.4	0.11	1.0	<0.005	2.64	<0.5	8700	0.02	448	0.17	1.57	51.1	1.0	1380	3.7
R413221		66.5	0.07	0.3	<0.005	1.65	<0.5	9780	0.02	575	0.11	2.27	60.9	1.2	1300	2.8
R413222		51.9	0.11	0.5	<0.005	2.84	<0.5	3800	0.09	361	0.11	3.09	70.4	1.7	1420	5.7
R413223		23.4	0.05	0.7	0.092	0.83	4.0	790	4.20	2320	0.23	1.70	6.0	112.0	380	3.6
R413224		15.60	<0.05	0.5	0.067	0.64	3.3	192.0	3.50	1890	0.24	1.17	2.4	105.0	340	3.5
R413225		16.15	<0.05	0.6	0.082	0.46	3.7	197.0	3.37	1940	0.53	1.32	2.3	103.5	310	1.9
R413226		16.40	<0.05	0.6	0.081	0.47	3.4	170.0	3.84	2270	0.18	1.53	2.6	98.4	360	1.5

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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
Method / Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R413187	1430	<0.002	0.01	0.23	0.2	<1	27.7	95.9	59.0	<0.05	2.64	<0.005	5.44	7.1	1
R413188	107.5	0.002	0.04	0.31	37.6	1	9.7	164.0	2.08	<0.05	1.81	0.821	0.62	0.6	319
R413189	438	<0.002	0.01	0.20	0.7	<1	50.3	150.5	32.1	<0.05	1.05	0.016	1.07	3.3	6
R413190	45.8	<0.002	0.03	1.03	0.8	<1	123.0	14.1	67.9	<0.05	0.14	0.038	0.99	0.7	8
R413191	126.5	<0.002	0.01	<0.05	3.3	<1	0.8	242	0.56	<0.05	26.8	0.170	0.78	2.3	15
R413192	32.0	0.003	0.04	0.08	33.9	1	1.8	154.5	0.59	<0.05	1.57	0.773	0.32	0.5	298
R413193	48.5	<0.002	0.09	0.47	46.7	1	7.5	127.0	0.56	<0.05	0.32	0.441	0.31	0.1	262
R413194	1970	<0.002	<0.01	1.28	0.3	<1	93.4	29.7	39.3	<0.05	1.17	<0.005	12.65	3.8	1
R413195	1850	<0.002	<0.01	0.86	0.3	<1	105.5	41.0	52.3	<0.05	1.53	<0.005	10.25	1.7	2
R413196	185.5	0.002	0.07	0.60	47.0	1	9.9	142.5	0.40	<0.05	0.20	0.422	1.57	0.1	257
R413197	64.9	<0.002	0.01	0.51	43.9	1	7.1	124.5	0.27	<0.05	0.39	0.618	0.36	0.1	297
R413198	1590	<0.002	<0.01	0.40	0.2	<1	49.7	20.3	>100	<0.05	2.21	<0.005	10.55	2.4	2
R413199	470	<0.002	0.01	0.87	43.6	1	112.5	151.5	3.43	<0.05	0.37	0.603	3.68	0.1	292
R413200	3150	<0.002	<0.01	0.33	0.2	<1	74.9	12.5	47.9	<0.05	2.06	<0.005	23.2	3.9	1
R413201	2400	<0.002	<0.01	0.35	0.2	<1	69.5	14.1	55.2	<0.05	4.27	<0.005	16.20	10.2	1
R413202	1440	<0.002	<0.01	0.38	0.1	<1	79.2	11.0	69.6	<0.05	2.74	<0.005	9.20	3.3	<1
R413203	2980	<0.002	<0.01	0.47	0.1	<1	70.8	7.9	55.3	<0.05	1.79	<0.005	21.1	5.1	<1
R413204	2710	<0.002	<0.01	0.40	0.1	<1	76.7	8.2	45.3	<0.05	2.62	<0.005	19.10	4.9	<1
R413205	2060	<0.002	<0.01	0.37	<0.1	<1	61.2	9.1	62.3	<0.05	2.70	<0.005	14.55	5.1	<1
R413206	2650	<0.002	<0.01	0.42	0.1	<1	60.5	16.4	73.9	<0.05	3.51	<0.005	17.70	5.3	<1
R413207	2680	<0.002	<0.01	0.57	0.2	<1	63.8	10.5	55.7	<0.05	2.07	<0.005	18.25	7.7	<1
R413208	1370	<0.002	<0.01	0.49	0.1	<1	66.8	9.4	39.3	<0.05	3.06	<0.005	8.82	5.7	<1
R413209	2290	<0.002	<0.01	0.60	0.1	<1	48.3	9.8	49.7	<0.05	3.95	<0.005	16.40	9.0	<1
R413210	47.7	<0.002	0.03	0.94	0.7	<1	118.0	15.0	63.5	<0.05	0.18	0.037	0.97	1.6	8
R413211	140.5	<0.002	0.01	0.05	3.0	1	0.9	256	0.47	<0.05	35.3	0.128	0.89	2.3	16
R413212	1430	<0.002	<0.01	0.61	0.1	<1	53.1	10.2	59.7	<0.05	2.78	<0.005	9.70	6.7	<1
R413213	2410	<0.002	<0.01	0.45	0.1	<1	55.0	10.0	42.2	<0.05	2.57	<0.005	17.15	6.5	<1
R413214	2300	<0.002	<0.01	0.59	0.1	<1	65.0	10.6	37.9	<0.05	2.13	<0.005	16.50	4.7	<1
R413215	2310	<0.002	<0.01	0.47	<0.1	<1	65.2	11.0	34.8	<0.05	2.41	<0.005	16.15	6.5	<1
R413216	2130	<0.002	<0.01	0.31	<0.1	<1	49.9	7.9	30.1	<0.05	2.25	<0.005	14.60	4.0	<1
R413217	1450	<0.002	<0.01	0.50	0.1	<1	62.9	8.4	68.0	<0.05	1.20	<0.005	9.69	2.2	<1
R413218	2800	<0.002	<0.01	0.28	0.1	<1	45.9	11.2	54.8	<0.05	2.14	<0.005	19.75	4.0	<1
R413219	2460	<0.002	<0.01	0.40	0.2	<1	71.0	11.7	100.0	<0.05	1.54	<0.005	17.45	5.4	<1
R413220	2880	<0.002	<0.01	0.52	0.1	<1	64.0	10.9	71.4	<0.05	0.93	<0.005	21.5	3.6	<1
R413221	1600	<0.002	<0.01	0.35	<0.1	<1	48.5	9.9	31.8	<0.05	1.13	<0.005	11.10	1.4	<1
R413222	2460	<0.002	<0.01	0.15	0.1	<1	44.1	21.8	34.3	<0.05	2.91	<0.005	16.90	3.2	1
R413223	194.0	<0.002	0.14	0.62	42.6	1	46.5	132.0	2.43	<0.05	0.39	0.614	0.97	0.5	305
R413224	78.7	<0.002	0.08	0.50	36.9	1	2.5	125.0	0.25	<0.05	0.33	0.520	0.37	0.1	259
R413225	73.8	<0.002	0.11	0.75	37.4	1	6.0	110.5	0.20	<0.05	0.31	0.525	0.26	0.1	262
R413226	48.4	0.002	0.35	0.63	40.2	2	4.1	99.1	0.22	<0.05	0.36	0.592	0.19	0.1	294

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81
	Analyte	W	Y	Zn	Zr	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01
R413187		0.7	1.2	97	29.6											
R413188		0.6	26.3	113	91.2											
R413189		0.4	0.6	30	13.2											
R413190		8.2	0.5	68	26.7											
R413191		0.4	4.9	39	201											
R413192		0.2	24.0	122	97.0											
R413193		1.2	16.5	138	6.0											
R413194		2.5	0.6	40	8.4											
R413195		3.9	0.5	44	5.2											
R413196		0.5	16.1	118	5.5											
R413197		0.8	22.2	128	13.8											
R413198		1.0	0.4	29	16.6	94.3	<0.5	10	196.5	0.05	0.03	<0.03	47.5	<0.05	2.2	0.01
R413199		7.4	22.0	175	12.1											
R413200		1.0	0.3	33	3.6											
R413201		2.6	0.9	56	9.1											
R413202		1.4	0.1	44	2.3											
R413203		2.1	0.5	53	5.8											
R413204		2.1	0.4	52	5.1											
R413205		1.2	0.1	47	6.2											
R413206		1.5	0.3	48	5.6											
R413207		2.7	1.2	54	7.2											
R413208		2.1	0.4	54	4.5											
R413209		1.9	0.3	52	8.0											
R413210		7.2	0.5	70	25.9											
R413211		0.4	6.3	42	233											
R413212		2.3	0.6	62	5.2											
R413213		2.5	0.3	59	5.3											
R413214		1.7	0.1	47	6.0											
R413215		2.2	0.2	69	5.0											
R413216		2.3	0.1	38	3.3											
R413217		2.4	0.2	56	3.2											
R413218		2.2	0.3	48	7.2											
R413219		2.6	0.8	64	7.8	6.4	1.2	10	290	0.21	<0.03	<0.03	61.7	0.16	1.8	0.01
R413220		1.7	0.5	45	5.2											
R413221		2.1	0.1	35	1.4											
R413222		1.7	0.5	39	3.9											
R413223		2.8	20.1	316	18.1											
R413224		1.6	21.0	101	10.2											
R413225		1.4	20.2	89	12.9											
R413226		1.3	21.9	111	15.1											

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUNRISE CANADA INC.
SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
AUSTRALIA

Finalized Date: 20- JUL- 2016
Account: SCIGLQRR

Project: Falcon Lake

CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method Analyte Units LOR	ME- MS81 La ppm 0.5	ME- MS81 Lu ppm 0.01	ME- MS81 Nb ppm 0.2	ME- MS81 Nd ppm 0.1	ME- MS81 Pr ppm 0.03	ME- MS81 Rb ppm 0.2	ME- MS81 Sm ppm 0.03	ME- MS81 Sn ppm 1	ME- MS81 Sr ppm 0.1	ME- MS81 Ta ppm 0.1	ME- MS81 Tb ppm 0.01	ME- MS81 Th ppm 0.05	ME- MS81 Tm ppm 0.01	ME- MS81 U ppm 0.05	ME- MS81 V ppm 5
R413187																
R413188																
R413189																
R413190																
R413191																
R413192																
R413193																
R413194																
R413195																
R413196																
R413197																
R413198		<0.5	<0.01	75.3	0.2	0.03	1615	<0.03	135	17.4	121.5	<0.01	2.42	<0.01	2.37	<5
R413199																
R413200																
R413201																
R413202																
R413203																
R413204																
R413205																
R413206																
R413207																
R413208																
R413209																
R413210																
R413211																
R413212																
R413213																
R413214																
R413215																
R413216																
R413217																
R413218																
R413219		0.6	<0.01	65.3	0.5	0.15	2550	0.21	80	11.5	74.8	0.05	1.61	<0.01	5.13	<5
R413220																
R413221																
R413222																
R413223																
R413224																
R413225																
R413226																

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ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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SUITE 4, LEVEL 9
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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method / Analyte / Units / LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413187						
R413188						
R413189						
R413190						2.950
R413191						
R413192						
R413193						
R413194						
R413195						
R413196						
R413197						
R413198		1	<0.5	0.03	14	
R413199						
R413200						
R413201						
R413202						
R413203						
R413204						
R413205						
R413206						
R413207						
R413208						
R413209						
R413210						2.870
R413211						
R413212						
R413213						
R413214						
R413215						
R413216						
R413217						1.310
R413218						
R413219		3	1.0	<0.03	9	
R413220						
R413221						
R413222						
R413223						
R413224						
R413225						
R413226						

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North Vancouver BC V7H 0A7
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SUITE 4, LEVEL 9
341 GEORGE ST.
SYDNEY NSW 2000
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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R413227		2.48	0.06	7.45	0.8	140	0.46	0.13	7.65	0.12	9.22	56.5	113	5.85	166.0	10.10

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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R413227		17.35	<0.05	0.7	0.077	0.44	3.6	156.0	3.69	2230	0.20	1.72	2.8	105.5	380	2.0

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R413227		50.2	<0.002	0.35	0.61	43.0	2	2.0	121.0	0.33	<0.05	0.38	0.620	0.16	0.1	301

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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81
	Analyte	W	Y	Zn	Zr	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01
R413227		0.6	22.7	115	15.8											

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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method Analyte Units LOR	ME- MS81 La ppm 0.5	ME- MS81 Lu ppm 0.01	ME- MS81 Nb ppm 0.2	ME- MS81 Nd ppm 0.1	ME- MS81 Pr ppm 0.03	ME- MS81 Rb ppm 0.2	ME- MS81 Sm ppm 0.03	ME- MS81 Sn ppm 1	ME- MS81 Sr ppm 0.1	ME- MS81 Ta ppm 0.1	ME- MS81 Tb ppm 0.01	ME- MS81 Th ppm 0.05	ME- MS81 Tm ppm 0.01	ME- MS81 U ppm 0.05	ME- MS81 V ppm 5
R413227																

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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS TB16103425

Sample Description	Method / Analyte / Units / LOR	ME- MS81 W ppm 1	ME- MS81 Y ppm 0.5	ME- MS81 Yb ppm 0.03	ME- MS81 Zr ppm 2	Li- OG63 Li % 0.005
R413227						

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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS TB16103425

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.

Applies to Method: ME- MS61

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.

Applies to Method:				
	CRU- 31	CRU- QC	LOG- 22	LOG- 23
	PUL- 31	PUL- QC	SPL- 21	WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Li- OG63	ME- MS61	ME- MS81	ME- OG62o

Appendix V – Stock Exchange Announcments

ASX announcement

11 MARCH 2016

Crescent Lake Lithium Project Drill Intercepts and Geology

Argonaut Resources NL (ASX: ARE) (*Argonaut* or the *Company*) is pleased to announce historic drilling intercepts for the Crescent Lake Lithium Project in Ontario, Canada. The project features two prospective areas: Falcon Lake and Zigzag.

Highlights

- Highlights of previous drilling at the Crescent Lake Lithium Project include:

  Falcon Lake

  - **8.1m at 1.48% LiO_2** from 2.7m in drill hole W-3
  - **10.5m at 1.15% LiO_2** from 34.5m in drill hole W-9
  - **14m at 0.99% LiO_2** from 69.3m in drill hole CO-10-001
  - **7m at 1.07% LiO_2** from 55.3m in drill hole CO-10-002
  - **11m at 1.10% LiO_2** from 39.4m in drill hole CO-10-003

  Zigzag

  - **6.1m at 1.08% LiO_2** from 12.4m in drill hole CO-10-007

- Adjacent **23m and 10m thick pegmatites** at Falcon Lake West deposit (Figure 2).
- **3 to 4 stacked pegmatites over 670m** at the Tebish occurrence.
- The deposits are **hard rock pegmatite deposits** containing **spodumene mineralisation.**
- The areas surrounding these known deposits are yet to be systematically explored.
- There is excellent potential to define deposit extensions and additional deposits.
- The deposits are well located close to the **North American rail network and a major port.**

Argonaut Resources NL
ABN 97 008 084 848

Registered Office
Suite 4, Level 9
341 George Street
Sydney, NSW, 2000, Australia
T +61 2 9299 9690
F +61 2 9299 9629
E sydney@argonautresources.com

Adelaide Office
Level 1
63 Waymouth Street
Adelaide, SA, 5000, Australia
T +61 8 8231 0381
F +61 8 8231 6092
E adelaide@argonautresources.com

Crescent Lake Project (Argonaut acquiring 100%)

On 4 March 2016, Argonaut released details of the acquisition of the Crescent Lake Lithium Project to the ASX.

Previous Exploration

The areas were drilled in the 1950s, during a Canadian lithium exploration boom, and then again in 2010-11. Neither drilling program was extensive. Drilling data from the 1950s was reported prior to modern JORC and NI43-101 standards being established. This late 1950s diamond core drilling was undertaken by British Canadian Lithium Mining Corporation. The 2010-11 era drilling at Falcon Lake and Zigzag is reported to NI43-101 standards.

All previous drilling has focused on surface or near-surface lithium bearing pegmatites.

Falcon Lake

There are four known pegmatite occurrences in the Falcon Lake area, with the Falcon Lake West deposit being the main focus of previous exploration programs. The Falcon Lake West deposit comprises two south-easterly dipping pegmatite deposits with approximate true widths of 23m and 10m (Figure 2).

There is little evidence in the historical database of systematic exploration for strike extensions to the Falcon Lake West deposit. An independent technical report dated 2011 recommends a program of exploration for 'blind extensions… where the landscape is dominated by thick overburden (cover) and outcrop is sparse'.

Highlights of previous drill results for Falcon Lake West and another pegmatite occurrence in the area – Falcon Lake East – are shown in Tables 1 and 2. Detailed drilling results are shown in Appendix 1.

Table 1 Falcon Lake West significant intercepts.

Falcon Lake West:	
W-1:	• 4.2m at 1.28% LiO_2 from 7.6m
	• 5.1m at 1.21% LiO_2 from 52.8m
	• 6.1m at 1.20% LiO_2 from 59.1m
	• 9.4m at 0.57% LiO_2 from 65.8m
W-3:	• **8.1m at 1.48% LiO_2** from 2.7m including ¬ 6.1m at 1.71% LiO_2 from 2.74m
	• 1.82m at 1.75% LiO_2 from 16.2m
W-9:	• **10.5m at 1.15% LiO_2** from 34.5m including ¬ 6.2m at 1.43% LiO_2 from 38.8m
	• 24.7m at 0.42% LiO_2 from 81.8m including ¬ 3.7m at 1.08% LiO_2 from 98.8m
CO-10-001:	• **14m at 0.99% LiO_2** from 69.3m including ¬ 5m at 1.25% LiO_2 from 69.3m and ¬ 4.5m at 1.50% LiO_2 from 79.3m
CO-10-002:	• **7m at 1.07% LiO_2** from 55.3m
CO-10-003:	• **11m at 1.10% LiO_2** from 39.4m including ¬ 6m at 1.52% LiO_2 from 44.4m

Table 2 *Falcon Lake East significant intercepts.*

Falcon Lake East:	
E-4:	• 4.9m at 1.13% LiO_2 from 48.3m

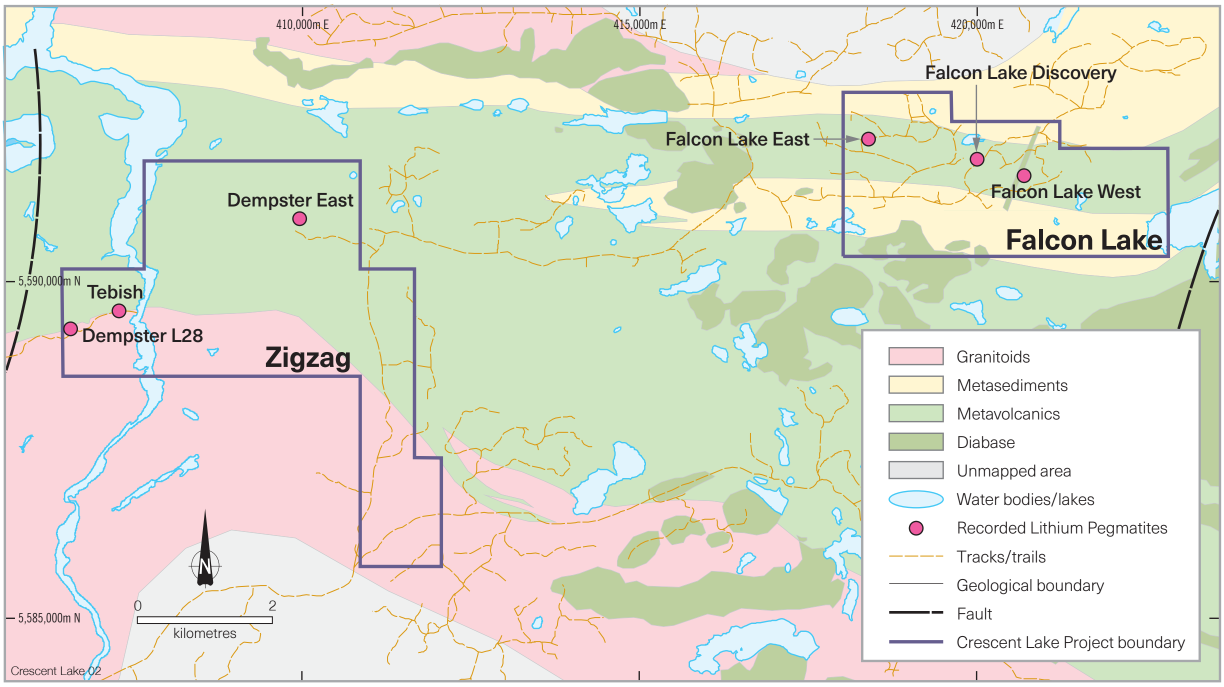


Figure 1 *Claim locations, pegmatite occurrences and geology.*

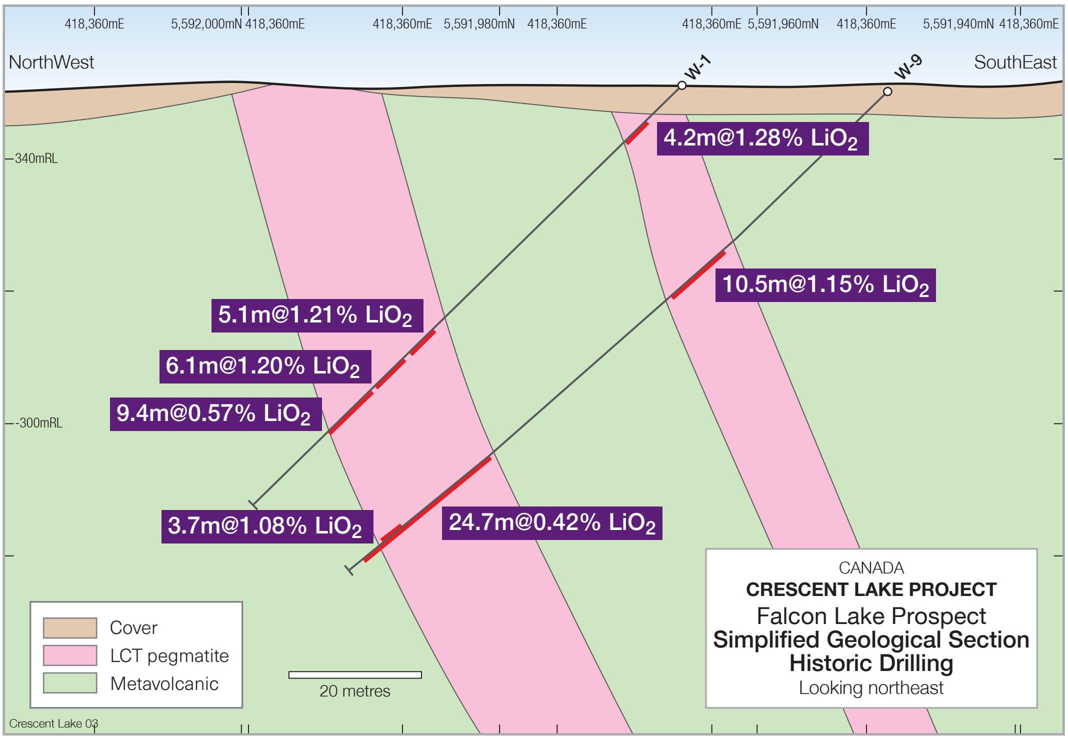


Figure 2 *Falcon Lake West geological cross section.*

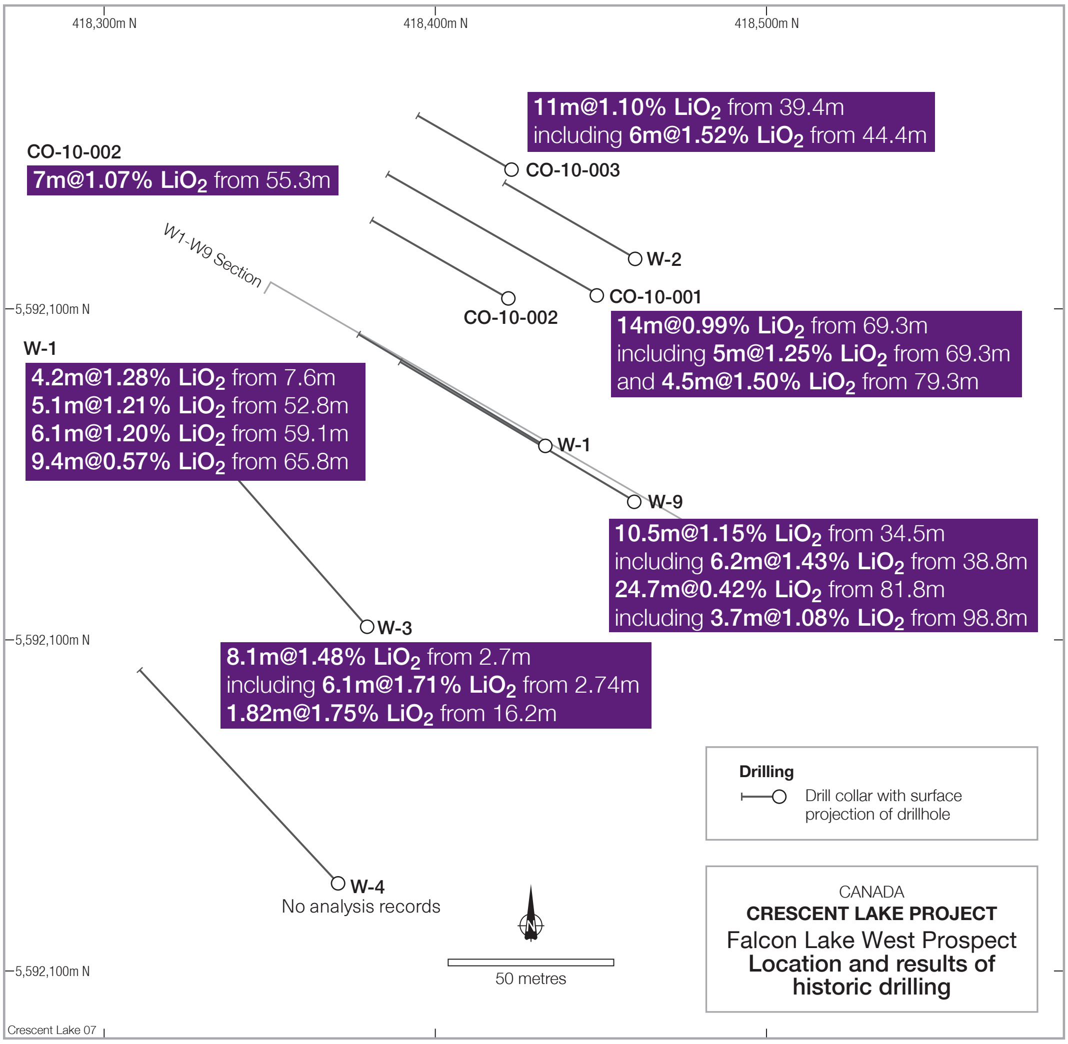


Figure 3 *Falcon Lake West drill collar locations.*

Zigzag

There are three main lithium pegmatite occurrences in the Zigzag area (Figure 1): Tebishogeshik (*Tebish*), Dempster L28 and Dempster East. Lithium bearing pegmatites were first discovered in the area east of Zigzag Lake in 1955.

The Tebish occurrence is a stack of 3-4 pegmatites which have been intercepted by wide-spaced drilling over a strike length of 670m. The system strikes east-northeast and dips approximately 40 degrees to the south. Given the broad drill spacing and structural continuity, lithium grades within the pegmatite stack are poorly understood. Additional drilling is required to determine the orientation and extent of high grade spodumene mineralisation within the lenses.

There is significant exploration potential for strike extensions.

Table 3 Zigzag significant intercepts.

Tebish:	
CO-10-005:	• 3.7m at 0.45% LiO2 from 10.7m including ¬ 2.6m at 0.74% LiO2 from 19.8m
CO-10-007:	• **6.1m at 1.08% LiO_2** from 12.4m including ¬ 3m at 1.49% LiO2 from 12.4m
CO-10-008:	• 6.9m at 0.40% LiO2 from 11.5m including ¬ 2.9m at 0.58% LiO_2 from 15.5m

Deposit Geology

The Crescent Lake lithium deposits are hard rock, ‘complex-type/spodumene sub-type’ pegmatite deposits. The pegmatites also feature elevated tantalum and are geologically comparable to the lithium tantalum pegmatites being mined at Tanco in Manitoba, Canada and Greenbushes in Western Australia.

The known deposits outcrop/subcrop and are potentially suitable for open-cut mining.

Exploration Potential

Argonaut considers the claim areas under option to have strong potential for the discovery of additional deposits. The areas surrounding outcropping spodumene pegmatites are yet to be systematically explored by surface sampling. Volcanic and sedimentary cover is interpreted to obscure certain areas surrounding the know occurrences.

Significant opportunity exists to define:

- additional mineralised pegmatites;
- stacked pegmatites associated with known occurrences;
- strike extensions to known pegmatites; and
- down-dip extensions to the existing drill intercepts.

In recent years, assay techniques designed to highlight sub-surface lithium bearing pegmatites have been developed and demonstrated to be effective in the Crescent Lake environment. Claim areas under option are yet to be explored using this technique.

The project benefits from its location in a geological province hosting several lithium mines and deposits, a high quality database of previous work and access to experienced local geological contractors.

Regional Lithium Deposits

Many internationally significant and geologically comparable hard rock lithium deposits occur in Ontario, Quebec and Manitoba Provinces, Canada (Figure 4). Lithium deposits are frequently hosted on or near the margins of geological sub-domains within the Archean age Superior Province (Figure 4).

Tanco: is an underground lithium, caesium and tantalum mine located in Manitoba Province, 500km west of Crescent Lake. The Tanco orebody is hosted by a complex-type lithium pegmatite.

Separation Rapids: is a complex-type lithium pegmatite deposit located 440km west of Crescent Lake within the same geological sub-province.

Georgia Lake: spodumene pegmatite deposit located 60km south of the Crescent Lake Project.

Seymour Lake: is a lithium-beryllium-tantalum pegmatite deposit located approximately 10km west of the Crescent Lake Project.

Location and Infrastructure

The Crescent Lake Lithium Project is located 250km north-northwest of Thunder Bay in Ontario, Canada (Figure 5).

The project consists of 12 claim areas in two clusters. The Falcon Lake area is approximately 10km east of the Zigzag area (Figure 1).

These areas are accessible by road from Thunder Bay via Armstrong Station. A class-one railway line runs within 20km of the project area, and Armstrong (railway) Station is located 75km to the south-west. The rail network interconnects with the US.

The Port of Thunder Bay is a major facility that ships grain, coal, liquids and general cargo via the Great Lakes to the Atlantic Ocean (Figure 5).

Electricity substations and gas pipelines are located between Lake Superior and Lake Nipigon, 50-60km south of the project area.

Lindsay Owler
Director and CEO

Argonaut Resources NL

Figure 4 *Geology of the Superior Province showing lithium occurrences.*

Figure 5 *Crescent Lake Project location.*

Sections of information contained in this report that relate to Exploration Results were compiled or supervised by Mr Lindsay Owler BSc, MAusIMM who is a Member of the Australasian Institute of Mining and Metallurgy and is a full time employee of Argonaut Resources NL. Mr Owler holds shares and options in Argonaut Resources NL, details of which are disclosed in the Company's 2015 Annual Report. Mr Owler has sufficient experience which is relevant to the style of mineral deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". Mr Owler consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data – Crescent Lake Project

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• The Tebishogeshik and Falcon Lake West prospects were sampled using diamond drill holes in a 2010 drilling campaign undertaken by Canadian Orebodies (COB). A total of 11 drill holes were drilled for a total of 747.7 metres. • Drillcore was logged for lithology, weathering, alteration, mineralisation and structure. Sampling was conducted as half core (NQ). Sampling followed contractor's procedures and industry best practice QA/QC procedures. • Drillcore was sampled on nominal 1 metre intervals except at lithological contacts. All pegmatite was sampled, generally at 1m intervals, as well as any granite that was observed. • Samples were dried, crushed, split, pulverised and pulp taken for four acid digest followed by ICP-MS and ICP-AES techniques. Samples with sulphide mineralization present were analyzed using the ME-MS41 method and additionally analysed for precious metals. Samples reporting values over the method detection limit (>10000 ppm Li) were automatically analyzed using the Li-OG63 method, which uses four acid digestion and ICP-AES finish.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• Diamond core only, NQ core size for 2010 program.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Drillcore recoveries were logged per drilling run. • Drillcore logged and measured to check run length measurement against driller's records. • Diamond drillcore has high recoveries with negligible core loss recorded.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• Drillcore has been logged for geological (lithology, mineralisation, alteration) and geotechnical (RQD, recovery) information. All core logging was digitally documented using GEMS Logger software. • All holes are logged.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• Selected drillcore was cut in half using core saws at Fladgate Exploration facility, and half core (NQ size) collected for sampling, ensuring the same side of the drillcore was consistently sampled. • Samples were prepared at and crushed with a subsample split for pulverising. Regular sizing checks were undertaken and reported. • Sample sizes are appropriate to the grain size of the material being sampled.

Criteria	*JORC Code explanation*	Commentary
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• Samples were submitted to a four acid digest (sulphuric, nitric, perchloric and hydrofluoric) and Inductively Coupled Plasma (ICP) finish to ALS Chemex, Thunder Bay, Ontario. • QAQC procedures include a chain of custody protocol, systematic submittal of 10 to 20% QA/QC samples including externally sourced blanks and certified reference samples into the flow of samples submitted to the laboratory.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Significant intersections are reported by Fladgate Exploration and checked by ARE. • Historic drillholes have been twinned by the 2010 program to verify historic intercepts. • Data entry and verification is undertaken by Fladgate Exploration following an established protocol into GEMS Logger software, all data is stored in a digital database. • No statistical adjustments to data have been applied.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Drillhole locations have been surveyed by averaged handheld GPS measurements with an accuracy of +/- 3m. Down hole surveys were collected every 20 to 30 metres using Ranger Surveys. • The grid system for the Crescent Lake Project is UTM NAD83, zone 16.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• Wide spaced exploration drilling. • No resources or reserves reported.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• Mapping undertaken in 2009 and 2010 at prospect scale to refine local structural fabric and thus to drill perpendicular to the interpreted structural orientation. • No orientation based bias had been identified in the data to this point.
Sample security	• *The measures taken to ensure sample security.*	• The chain of custody for sample dispatch was implemented and is as follows: ¬ After splitting, samples were taken directly to the analytical facility inside polywoven bags. Appropriate chain of custody was confirmed by Fladgate personnel, who delivered the samples to the laboratory. Sample reception confirmed sample receipt with Fladgate and the samples became the custody of the lab for preparation and analysis.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• Historic and 2010 drill program results were review by senior Fladgate personnel and documented in a 2011 43-101 compliant report.

Section 2 Reporting of Exploration Results – Crescent Lake Project

(Criteria listed in the preceding section also apply to this section.)

Criteria	*JORC Code explanation*	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• All claims are in good standing and are 100% owned by Canadian Orebodies. • No known impediments.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Dempster Explorations Ltd. (late 1950's – 1960) – Line cutting, trenching and shallow diamond drillholes. Drilling in Zigzag (Drillholes 2-10 and 23-29). • British Canadian Lithium Mines Ltd (1956 – 1958) – Line cutting and Drill Program totalling 22 diamond drillholes. Drill in Falcon Lake (Drillholes D1-3, E1-6, W1-9). • Panther International (1959) – Diamond drilling in vicinity of Zigzag and Falcon Lake. • Bird River Mines Co. Ltd. (1975 –1982) – Grid cutting, geochemistry and geophysics in Zigzag area. • Mattagami Lake Mines Ltd. (1977) – Geophysical surveys in Falcon Lake area. • E&B Explorations Inc. and Cominco Ltd. (1978 – 1980) – Line cutting, geochemical sampling, geological mapping, channel sampling in Zig Zag and Falcon Lake areas. • Complex Minerals Corp. (1997) – Geophysics and mechanical trenching in Zigzag area. • Platinova Resource Ltd. (2002) – Historic result confirmation and exploration targeting program. • Canadian Orebodies (2009 – present) – Line cutting, geochemical sampling, geological mapping, channel sampling in Zig Zag and Falcon Lake areas. Drill Program totalling 11 diamond drillholes (drillholes COB-10-001-011).
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Crescent Lake Pegmatite Group consists of a series of pegmatite dykes that intrude mafic meta-volcanic and meta-tonalitic rocks within a 1.2 km x 6 km area south of Crescent and Zig-Zag Lakes including the Tebishogeshik Pegmatite and the Dempster East Pegmatite. These pegmatites are complex-subtype, spodumene-subtype and have relatively high tantalum associated with oxide phases (columbite-tantalite group, ferrotapiolite and microlite), evolved garnet compositions and pervasive albitisation. • The Falcon Lake Pegmatite Group consists of a series of pegmatite dykes that intrude amphibolitized mafic meta-volcanic rocks within a 0.25 km x 4.5 km area between Funnel and Falcon Lakes including the Falcon Lake Discovery Pegmatite, Falcon Lake East Pegmatite and Falcon Lake West Pegmatite. These pegmatites are spodumene-subtype and have some of the highest reported tantalum-rich oxide values in Ontario, associated with manganotantalite and ferrotapiolite. • The mineralisation is dominantly spodemene (Li) with elevated Ta, Rb, Be and Cs.

Criteria	*JORC Code explanation*	Commentary
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* ¬ *easting and northing of the drill hole collar* ¬ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* ¬ *dip and azimuth of the hole* ¬ *down hole length and interception depth* ¬ *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• See Table – Crescent Lake Project Drillholes
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Length-weighted average grades reported. No upper limit has been applied to lithium grades in these exploration results. • A cut-off grade of 0.2% Li and a maximum internal dilution of 3m (downhole width) are used as a guideline when delineating the drilled thickness intervals of mineralisation. • All metal grades reported are single element.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Down hole length, true width not known.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Refer to figures within report and within a 43-101 compliant report by Fladgate Exploration in 2011.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• Well documented in a 43-101 compliant report by Fladgate Exploration in 2011.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• Well documented in a 43-101 compliant report by Fladgate Exploration in 2011.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Detailed geological mapping, interpretation and structural analysis to be completed on these prospects. Enzyme leach soil sampling over project area. Target testing contingent on positive results, interpretation and exploration ranking. • All future exploration work is commercially sensitive and will not be released to the market until results are available.

Appendix 1a – Modern Drill Intercepts

Hole	East	North	RL	Dip	Azimuth	Total Depth	From	To	Interval	LiO_2	Ta_2O_5 (ppm)	Be (ppm)	Cs (ppm)	Nb (ppm)	Rb (ppm)	Prospect Area
CO-10-001	418449	5592004	353	-45	300	103.30	69.3	83.3	14.0	0.99	53	145	166	63	2081	Falcon Lake West
including							69.3	74.3	5.0	1.25	47	215	190	69	2862	
and							79.3	83.8	4.5	1.50	48	129	120	79	1658	
CO-10-002	418422	5592003	355	-60	300	94.75	55.3	62.3	7.0	1.07	69	136	378	46	3477	Falcon Lake West
CO-10-003	418423	5592042	359	-60	300	65.00	39.4	50.4	11.0	1.10	50	115	83	63	1377	Falcon Lake West
including							44.4	50.4	6.0	1.52	49	157	85	80	1670	
CO-10-004	406924	5589431	347	-50	347	100.50	10.7	21.1	10.4	0.27	87	36	132	33	803	Tebishogeshik
CO-10-005	406953	5589428	346	-50	330	50.90	10.7	14.5	3.8	0.45	193	79	72	59	871	Tebishogeshik
including							19.8	22.4	2.6	0.74	124	116	55	81	1202	
CO-10-006	406899	5589412	353	-60	345	50.50	28.5	30.5	2.0	0.06	170	100	80	101	940	Tebishogeshik
CO-10-007	406839	5589410	354	-55	345	50.00	12.5	18.6	6.1	1.08	197	114	57	69	1090	Tebishogeshik
including							12.5	15.5	3.0	1.49	240	147	39	82	580	
CO-10-008	406761	5589387	359	-50	350	50.50	11.5	18.4	6.9	0.40	299	36	124	67	1435	Tebishogeshik
including							15.5	18.4	2.9	0.58	400	63	118	87	1523	
CO-10-009	407144	5589476	345	-50	345	51.00	10.5	18.7	8.2	0.35	188	141	52	70	1079	Tebishogeshik
CO-10-010	407153	5589451	345	-55	345	81.00	34.2	37.9	3.6	0.93	238	97	64	105	1102	Tebishogeshik
CO-10-011	407422	5589521	340	-50	345	50.20	14.5	18.6	4.1	0.27	106	194	64	84	1618	Tebishogeshik
and							39.5	42.0	2.5	0.07	223	127	249	47	860	

Notes

1 *Calculated using 0.2% Li lower cut threshold, no upper cut threshold, maximum 4 metres internal dilution*

2 *Analysis by ALS Chemex - Methods ME-MS61 48 element suite, Li-OG63 for Li >1%*

3 *Coordinate System: NAD83, Zone 16*

4 *LiO_2% calculated as (Li ppm/1,000,000) x 2.153 x 100%*

Appendix 1b – Historic Drill Intercepts

Hole	East	North	RL	Dip	Azimuth	Total Depth	From	To	Interval	LiO_2 (%)	Prospect Area	Comment
D-1	420009	5591836	340	-45	325	86.87					Falcon Lake Discovery	No analysis records
D-2	419934	5591915	340	-45	148	77.27					Falcon Lake Discovery	No analysis records
D-3	419983	5591781	340	-45	298	152.71					Falcon Lake Discovery	No analysis records
E-1	420647	5591401	370	-45	330	97.54	52.6	54.6	2.0	0.22	Falcon Lake East	Selectively sampled
E-2	420691	5591433	370	-45	298	81.08					Falcon Lake East	Selectively sampled
E-3	420722	5591482	370	-45	298	68.89					Falcon Lake East	Selectively sampled
E-4	420750	5591538	370	-45	298	64.62	48.3	53.2	4.9	1.13	Falcon Lake East	Selectively sampled
E-5	420654	5591384	370	-45	298	64.92					Falcon Lake East	Selectively sampled
E-6	420624	5591333	370	-45	298	67.97					Falcon Lake East	Selectively sampled
W-1	418433	5591960	350	-45	300	91.14	7.6	11.8	4.2	1.28	Falcon Lake West	Selectively sampled
							52.8	57.8	5.1	1.21		Selectively sampled
							59.1	65.2	6.1	1.20		Selectively sampled
							65.8	75.1	9.4	0.57		Selectively sampled
W-2	418462	5592014	350	-45	300	66.29	40.8	49.1	8.3	1.23	Falcon Lake West	Selectively sampled
W-3	418380	5591905	350	-45	318	104.85	2.7	10.9	8.1	1.48	Falcon Lake West	Selectively sampled
including							2.7	8.8	6.1	1.72		
							16.2	18.0	1.82	1.75		Selectively sampled
W-4	418369	5591827	350	-45	318	115.22					Falcon Lake West	No analysis records
W-9	418460	5591844	350	-45	300	109.42	34.5	45.0	10.5	1.15	Falcon Lake West	Selectively sampled
including							38.8	45.0	6.2	1.43		Selectively sampled
							81.8	106.5	24.7	0.42		Selectively sampled
including							98.9	102.6	3.8	1.08		Selectively sampled
2	408246	5590044	350	-45	180	13.10					Zigzag	No analysis records
3	408187	5590026	350	-60	180	17.70					Zigzag	No analysis records
4	407641	5589889	350	-60	180	18.60					Zigzag	No analysis records
5	407593	5589874	350	-45	180	19.50					Zigzag	No analysis records
6	408312	5590059	350	-45	168	21.30					Zigzag	No analysis records
7	408441	5590085	350	-60	168	22.80					Zigzag	No analysis records
8	408375	5590066	350	-45	168	17.00					Zigzag	No analysis records
9	408781	5590096	350	-45	168	16.50					Zigzag	No analysis records
10	408913	5590155	350	-50	168	18.30					Zigzag	No analysis records
23	407418	5589519	350	-45	166	12.20					Tebishogeshik	No analysis records
24	407420	5589510	350	-45	166	15.20					Tebishogeshik	No analysis records
25	408696	5590059	350	-45	180	21.30					Zigzag	No analysis records
26	408691	5590034	350	-45	180	18.30					Zigzag	No analysis records
27	408689	5590015	350	-45	180	21.30					Zigzag	No analysis records
28	408685	5589992	350	-45	180	21.30					Zigzag	No analysis records
29	408683	5589970	350	-45	180	21.30					Zigzag	No analysis records

Notes

1. *Calculated using 0.2% Li lower cut threshold, no upper cut threshold, maximum 2 metres internal dilution*
2. *Analysis selective and by unknown lab*
3. *Coordinate System: NAD83, Zone 16*

ASX announcement

27 JULY 2016

Strong Lithium Intercepts From Crescent Lake

Argonaut Resources NL (ASX: ARE) (*Argonaut* or the *Company*) is pleased to announce initial drilling results from the recent program at its Crescent Lake project in Ontario, Canada.

Highlights

- Initial results from a six-hole program of drilling at the Falcon Lake West deposit (Figure 3) confirm thick spodumene-bearing pegmatites.
- The first batch of samples received featured an intercept of:
  - **21.7m at 1.09% Li_2O from 48.0m**; including
  - **7.9m at 1.31% Li_2O from 49.8m** in drill hole FLDD001.
- Further drill results are imminent.
- Preparations are underway for follow-up exploration in the Crescent Lake area.

Crescent Lake Drilling

Crescent Lake is located 250km NNE of Thunder Bay in Ontario, Canada (Figure 3).

Earlier in the month, Argonaut completed a six-hole program of diamond core drilling at the Falcon Lake West deposit. The program targeted two pegmatite units, one of which outcrops boldly.

Highlights from the first batch of analytical results include:

- **21.7m at 1.09% Li_2O from 48.0m**; including
- **7.9m at 1.31% Li_2O from 49.8m** in drill hole FLDD001.

Further details are shown in Appendix 1.

Visually, core generated during the program confirmed the presence of the two targeted spodumene-bearing pegmatites. The lower pegmatite unit is up to 24m thick and the upper pegmatite unit is up to 15m thick. Spodumene mineralisation was logged throughout the pegmatite intervals. Spodumene concentrations vary from moderate to intense.

Initial laboratory results confirm the deposit's lithium grades. Further results will be reported within two weeks.

Argonaut Resources NL
ABN 97 008 084 848

Registered Office
Suite 4, Level 9
341 George Street
Sydney, NSW, 2000, Australia
T +61 2 9299 9690
F +61 2 9299 9629
E sydney@argonautresources.com

Adelaide Office
Level 1
63 Waymouth Street
Adelaide, SA, 5000, Australia
T +61 8 8231 0381
F +61 8 8231 6092
E adelaide@argonautresources.com

Next Steps

Pegmatite emplacement and geometry is strongly influenced by structural geology. Argonaut engaged an international structural geology expert to consider the spodumene pegmatites at Crescent Lake. The resultant report has outlined two elongate zones that warrant detailed exploration for undiscovered pegmatites.

Argonaut is preparing to investigate these target zones with the aim of adding to the inventory of known lithium mineralisation at Crescent Lake. Contingent drilling to define pegmatite thicknesses and grades is intended to follow this near-term program.

Background

Argonaut is focused on fast-tracking development of its lithium assets. The Company now has rights to two Canadian projects and one South Australian lithium exploration target.

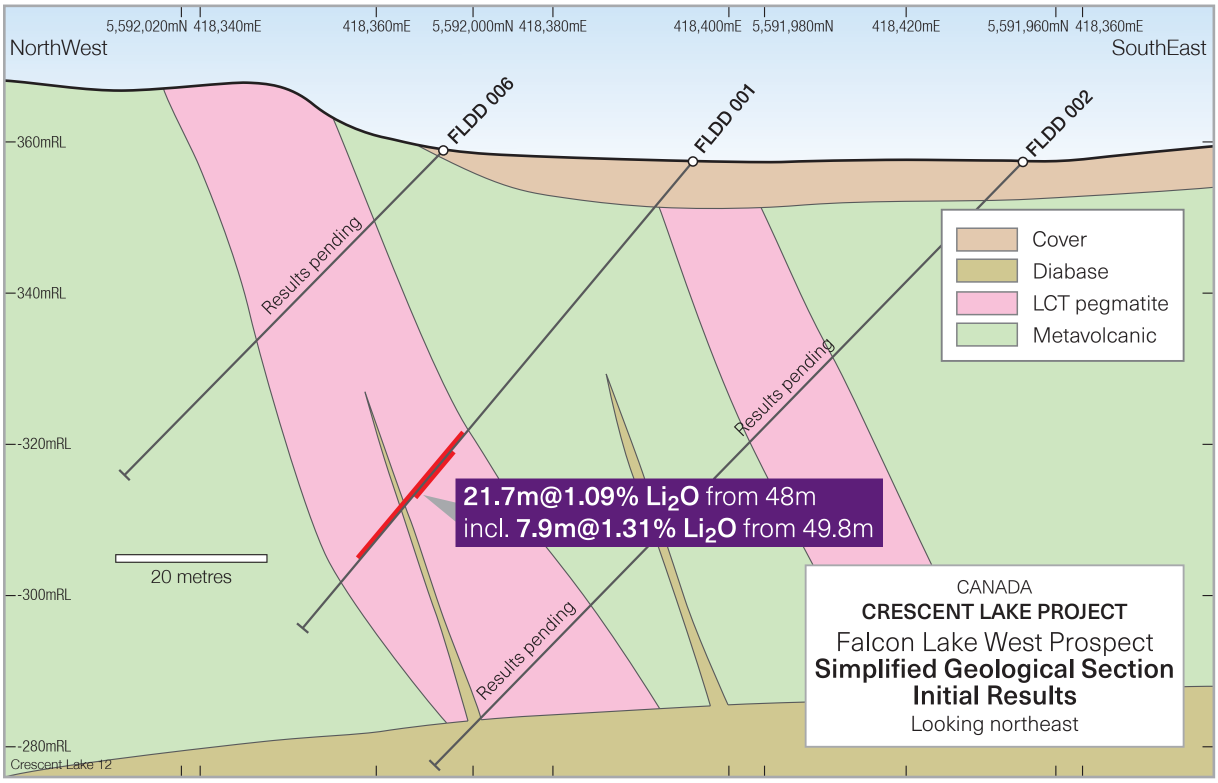


Figure 1 *Falcon Lake West – Interpretive geological cross section showing initial drill intercepts.*

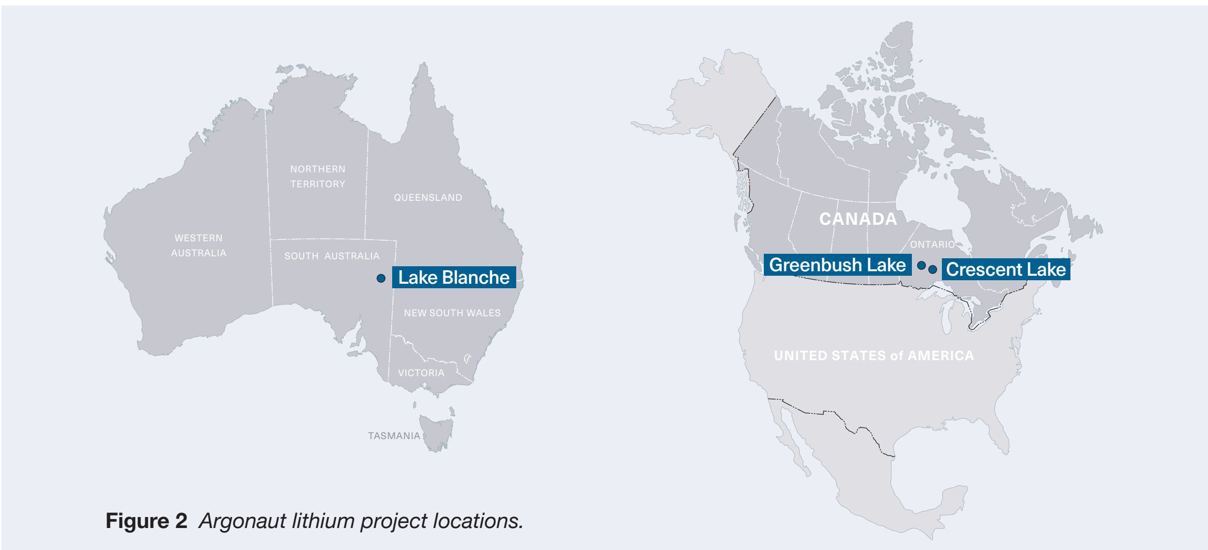


Figure 2 *Argonaut lithium project locations.*

Crescent Lake Project, Canada (Argonaut acquiring 100%)

On 4 March 2016, Argonaut released details of the acquisition of the Falcon Lake and Zigzag blocks within the Crescent Lake Lithium Project area in Ontario, Canada (Figure 3).

Argonaut later announced that it had pegged additional claims in the area between Falcon Lake and Zigzag (Figure 4). These 100% held claims cover prospective, underexplored areas.

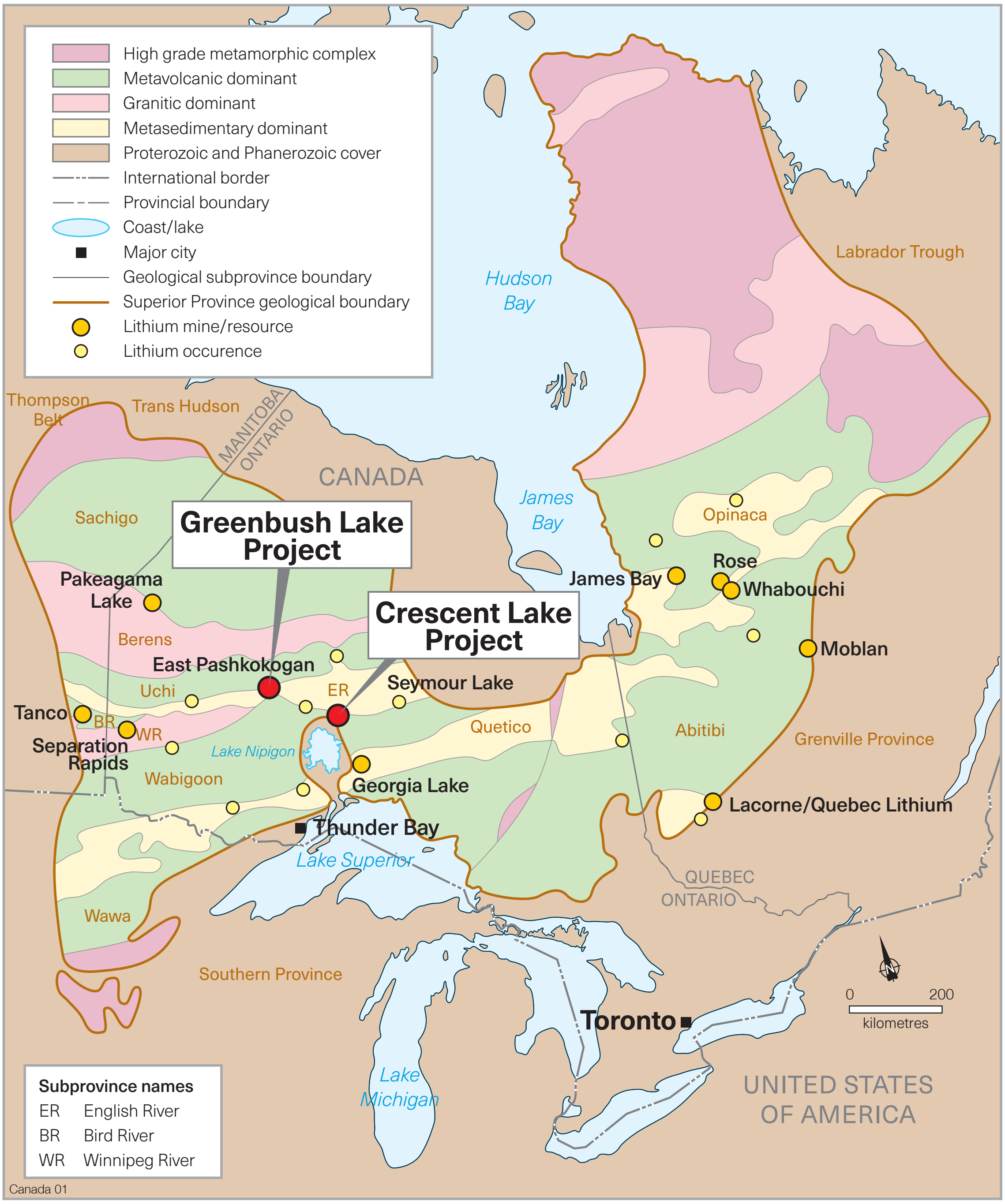


Figure 3 *Geology of the Superior Province, Canada, showing Greenbush Lake, Crescent Lake and regional lithium occurrences.*

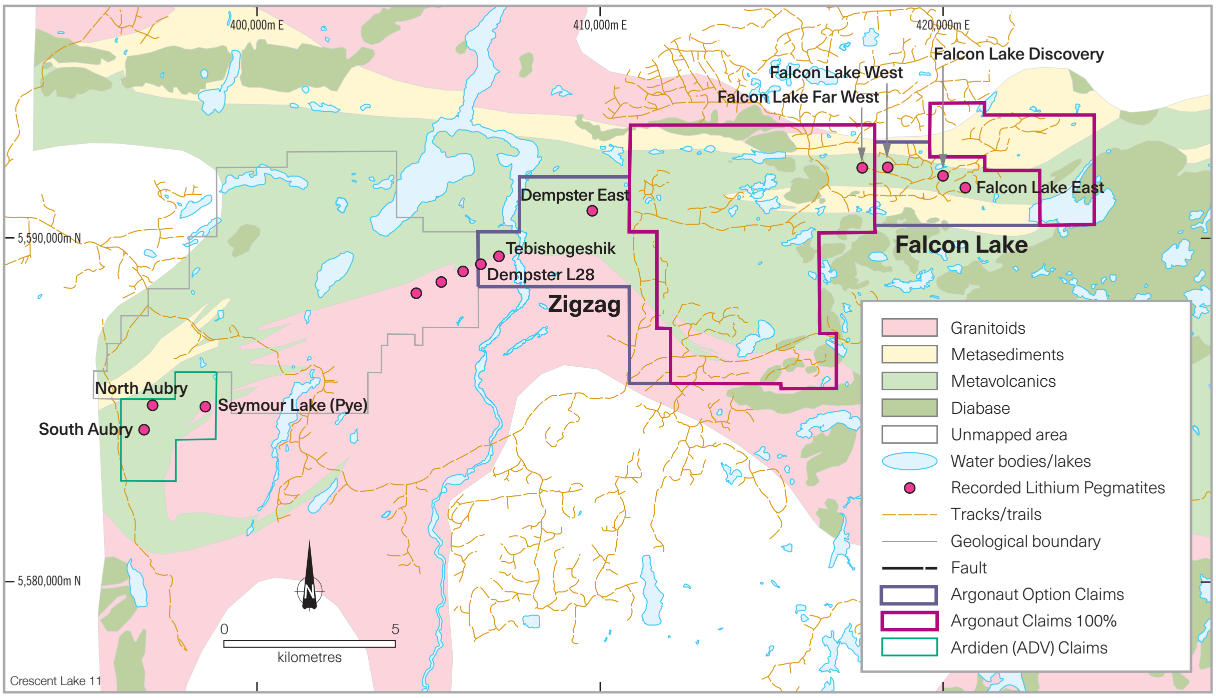


Figure 4 *Crescent Lake claim locations, spodumene pegmatite occurrences and geology.*

Highlights of previous drilling at the Crescent Lake Lithium Project, released to the ASX on 11 March 2016, include:

Falcon Lake Area

- **8.1m at 1.48% Li_2O** from 2.7m in drill hole W-3
- **10.5m at 1.15% Li_2O** from 34.5m in drill hole W-9
- **14m at 0.99% Li_2O** from 69.3m in drill hole CO-10-001
- **7m at 1.07% Li_2O** from 55.3m in drill hole CO-10-002
- **11m at 1.10% Li_2O** from 39.4m in drill hole CO-10-003

Zigzag Area

- **6.1m at 1.08% Li_2O** from 12.4m in drill hole CO-10-007

Other Crescent Lake Lithium Project highlights include:

- Adjacent 23m and 10m thick pegmatites at Falcon Lake West deposit (Figure 4).
- Three to four stacked spodumene bearing pegmatites over 670m at the Tebish occurrence.
- The deposits are hard rock pegmatite deposits containing spodumene mineralisation.
- The areas surrounding these known deposits are yet to be systematically explored.
- There is excellent potential to define deposit extensions and additional deposits.
- The deposits are well located, close to the North American rail network and a major port.

Greenbush Lake, Canada (Argonaut 100%)

The Greenbush Lake Project is located approximately 150km north-west of Argonaut's Crescent Lake Lithium Project in Ontario, Canada (Figure 3) and features a large, outcropping spodumene pegmatite with grades of up to 2.46% Li_2O within an area confirmed as having the requisite geological components for lithium pegmatite emplacement.

The known lithium pegmatite occurrence is 15m wide by 30m in exposed strike length. The actual strike length of the known pegmatite has not yet been determined as the exposure continues under thin sedimentary cover to the north and under lake waters to the south. The pegmatite has not been drilled.

Argonaut purchased a 100% interest in three mineral claims for CAD100,000. The claims are subject to a 2% net smelter royalty.

Three phases of exploration have been undertaken in the area of the lithium occurrence.

1. The Ontario Department of Mines discovered the pegmatite around 1965 and took a chip sample across the full width (50 feet) of the outcrop. Analysis of the chip sample returned 1.25% Li_2O.
2. Placer Development Ltd explored the area for tantalum in 1980. A magnetic survey attempting to define the extent of the pegmatite was unsuccessful, however an assay of the outcrop returned 2.46% Li_2O.
3. Canadian Orebodies Inc. undertook an exploration program in 2009. Highlights of a rock-chip sampling program are shown in Table 1.

Table 1: 2009 Rock-chip sample highlights, Greenbush Lake Project

Description	Li_2O (%)
Outcrop	1.19
Float	1.96
Float	0.85
Float	0.95
Outcrop	1.58

Lake Blanche, South Australia (Argonaut 100%)

On 4 April 2016, Argonaut announced it has secured two exploration licences covering Lake Blanche, a salt lake with the potential to host lithium brines and potash in the north of South Australia.

Lake Blanche is a closed to restricted basin covering an area of 1,700 square kilometres. The licence areas cover almost 2,000 square kilometres. The lake has a broad catchment that includes the Mt Babbage and Mt Painter Inliers which are recorded as containing elevated rare elements including lithium and tantalum (Figure 5).

Economic concentrations of lithium in brine generally occur in circumstances where ground waters percolate through neighbouring lithium bearing rocks into a closed, continental basin that has not been subject to marine flooding throughout its geological history. These geological criteria appear to be met at Lake Blanche.

An arc of lakes, including Lake Blanche, to the north of the Flinders Ranges has been independently defined as prospective by Geoscience Australia in a 2013 report titled '*A Review of Australian Salt Lakes and Assessment of their Potential for Strategic Resources*'. Argonaut, having assessed the potential of each lake on merit, determined that Lake Blanche has the best potential for economic lithium grades.

In the event economic concentrations of lithium are contained in Lake Blanche's brines, the lake has the potential to be an internationally significant source.

No previous lithium brine exploration has been recorded in the Lake Blanche area although historic brine exploration has been undertaken at Lake Frome, to the southeast.

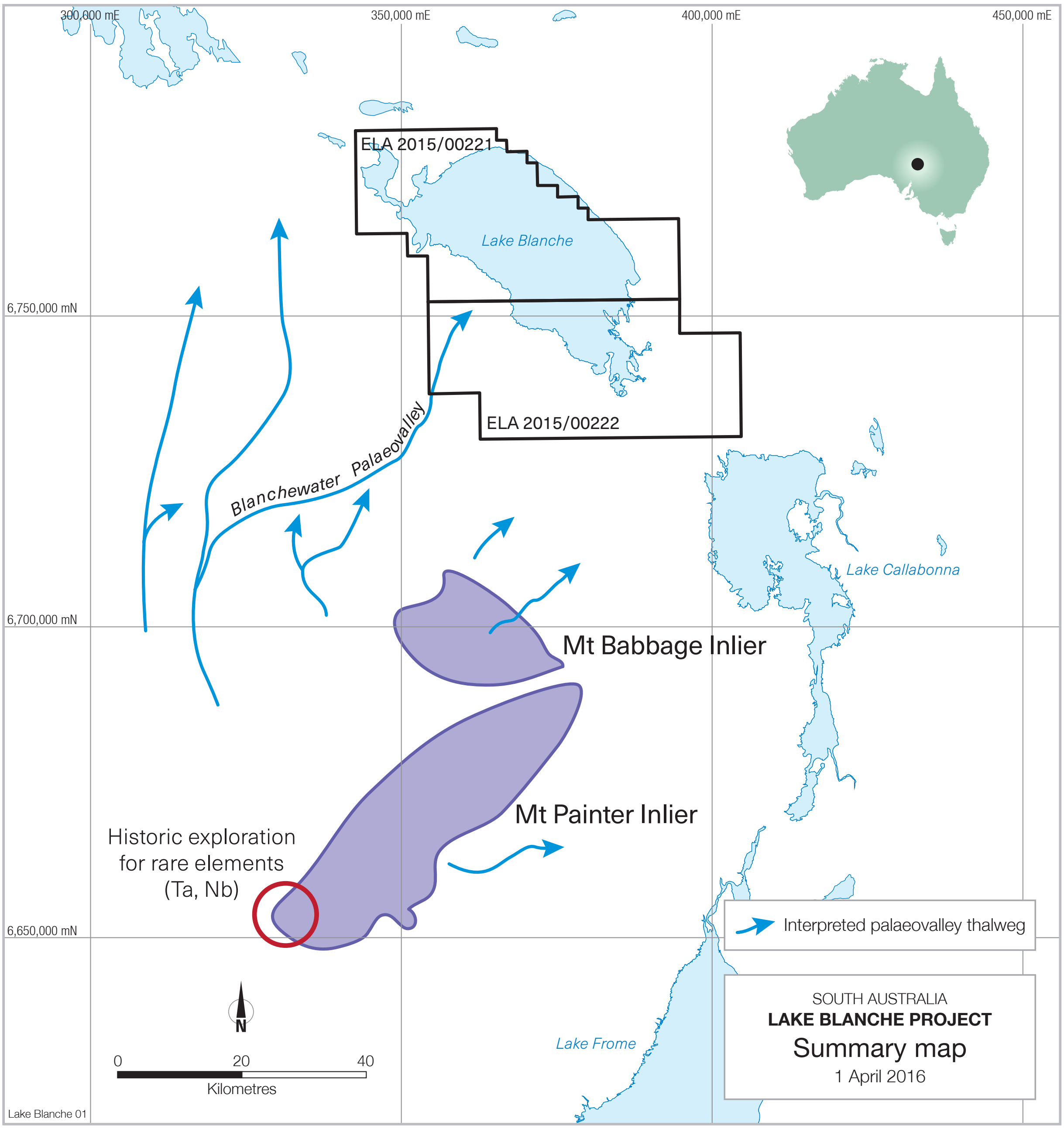


Figure 4 *Lake Blanche and exploration licence locations with relevant geological/hydrological features.*

Lindsay Owler
Director and CEO

Argonaut Resources NL

Sections of information contained in this report that relate to Exploration Results were compiled or supervised by Mr Lindsay Owler BSc, MAusIMM who is a Member of the Australasian Institute of Mining and Metallurgy and is a full time employee of Argonaut Resources NL. Mr Owler holds shares and options in Argonaut Resources NL, details of which are disclosed in the Company's 2015 Annual Report and an announcement to the ASX dated 23 May 2016. Mr Owler has sufficient experience which is relevant to the style of mineral deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". Mr Owler consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Appendix 1 – Crescent Lakes initial intercepts

Hole	East	North	RL	Dip	Azimuth	Total Depth	From	To	Interval	Li_2O (%)	Ta (ppm)	Prospect Area	Comment
FLDD001	418396	5591985	357	-50	300	81.00	48.0	69.7	21.7	1.09	69	Falcon Lake West	
including							49.8	57.7	7.9	1.31	70	Falcon Lake West	
FLDD002	418433	5591963	356	-45	300	111.00						Falcon Lake West	Results Pending
FLDD003	418394	5591944	358	-50	300	96.00						Falcon Lake West	Results Pending
FLDD004	418413	5591931	359	-45	300	111.00						Falcon Lake West	Results Pending
FLDD005	418447	5592055	364	-50	300	75.00						Falcon Lake West	Results Pending
FLDD006	418367	5592002	358	-45	300	60.00						Falcon Lake West	Results Pending

Notes

1 *Calculated using 0.2% Li_2O lower cut threshold, no upper cut threshold, maximum 4 metres internal dilution*

2 *Analysis by ALS Chemex - Methods ME-MS61 48 element suite, Li-OG63 for Li >1%*

3 *Coordinate System: NAD83, Zone 16*

4 *Li_2O% calculated as (Li ppm/1,000,000) x 2.153 x 100%*

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data – Crescent Lake Project

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report. • In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	• The Falcon Lake West prospect was sampled using diamond drill holes in a June 2016 drilling campaign. A total of 6 drill holes (FLDD001-006) were drilled for a total of 534 metres. • Drillcore was logged for lithology, weathering, alteration, mineralisation and structure. Sampling was conducted as half core (NQ). Sampling followed ARE procedures and industry best practice QA/QC procedures. • Drillcore was sampled on nominal 1 metre intervals except at lithological contacts. All pegmatite was sampled, generally at 1 m intervals, as well as shoulder samples into metavolcanic lithologies. • Samples were dried, crushed, split, pulverised and pulp taken for four acid digest followed by ICP-MS and ICP-AES techniques. Samples with sulphide mineralization present were analysed using the ME-MS61 method and additionally analysed for precious metals. Samples reporting values over the method detection limit (>10000 ppm Li) were automatically analysed using the Li-OG63 method, which uses four acid digestion and ICP-AES finish.
Drilling techniques	• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	• Diamond core only, NQ core size for 2016 program
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	• Drillcore recoveries were logged per drilling run. • Drillcore logged and measured to check run length measurement against driller's records. • Diamond drillcore has high recoveries with negligible core loss recorded.
Logging	• Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged.	• Drillcore has been logged for geological (lithology, mineralisation, alteration) and geotechnical (RQD, recovery) information. All core logging was digitally documented using spreadsheets. • All holes are logged and photographed.
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• Selected drillcore was cut in half using core saws at field camp, and half core (NQ size) collected for sampling, ensuring the same side of the drillcore was consistently sampled. • Samples were prepared at and crushed with a subsample split for pulverising. Regular sizing checks were undertaken and reported. • Sample sizes are appropriate to the grain size of the material being sampled.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	• Samples were submitted to ALS Chemex, Thunder Bay, Ontario for preparation. Analysis undertaken included a four acid digest (sulphuric, nitric, perchloric and hydrofluoric) and Inductively Coupled Plasma (ICP) finish at ALS Chemex hub laboratory, Vancouver, BC. • QAQC procedures include a chain of custody protocol, systematic submittal of 10 to 20% QA/QC samples including externally sourced blanks and certified reference samples into the flow of samples submitted to the laboratory.
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	• Significant intersections are reported by ARE. • Interpreted positions of historic drillholes have been have been used to test and verify historic intercepts. Actual collar positions of pre 2010 drilling could not be determined. • Data entry and verification is undertaken by Fladgate Exploration following an established protocol into spreadsheets, all data is stored in a digital format. • No statistical adjustments to data have been applied.
Location of data points	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control.	• Drillhole locations have been surveyed by averaged handheld GPS measurements with an accuracy of +/- 3m. Down hole surveys were collected every 20 to 30 metres using Reflex survey instrument. • The grid system for the Crescent Lake Project is UTM NAD83, zone 16. • SRTM elevation data was used to provide topographic control where appropriate.
Data spacing and distribution	• Data spacing for reporting of Exploration Results. • Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. • Whether sample compositing has been applied.	• Wide spaced exploration drilling. • No resources or reserves reported.
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• Mapping undertaken in 2009 and 2016 at prospect scale to refine local structural fabric and thus to drill perpendicular to the interpreted structural orientation. • No orientation based bias had been identified in the data to this point.
Sample security	• The measures taken to ensure sample security.	• The chain of custody for sample dispatch was implemented and is as follows: After splitting, samples were taken directly to the analytical facility inside polywoven bags. Appropriate chain of custody was confirmed by ARE and Fladgate personnel, who delivered the samples to the laboratory. Sample reception confirmed sample receipt with Fladgate and the samples became the custody of the lab for preparation and analysis.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• Sampling and analytical techniques reviewed prior to program and deemed appropriate for type of mineralisation. ARE staff reviewed and supervised sampling techniques on site.

Section 2 Reporting of Exploration Results – Crescent Lake Project

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	• All claims are in good standing and are 100% owned by Canadian Orebodies • No known impediments.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• Dempster Explorations Ltd. (late 1950's – 1960) – Line cutting, trenching and shallow diamond drillholes. Drilling in Zigzag (Drillholes 2-10 and 23-29). • British Canadian Lithium Mines Ltd (1956 – 1958) – Line cutting and Drill Program totalling 22 diamond drillholes. Drill in Falcon Lake (Drillholes D1-3, E1-6, W1-9) • Panther International (1959) – Diamond drilling in vicinity of Zigzag and Falcon Lake. • Bird River Mines Co. Ltd. (1975 –1982) – Grid cutting, geochemistry and geophysics in Zigzag area. • Mattagami Lake Mines Ltd. (1977) – Geophysical surveys in Falcon Lake area. • E&B Explorations Inc. and Cominco Ltd. (1978 – 1980) – Line cutting, geochemical sampling, geological mapping, channel sampling in Zig Zag and Falcon Lake areas. • Complex Minerals Corp. (1997) – Geophysics and mechanical trenching in Zigzag area. • Platinova Resource Ltd. (2002) – Historic result confirmation and exploration targeting program. • Canadian Orebodies (2009 – present) – Line cutting, geochemical sampling, geological mapping, channel sampling in Zig Zag and Falcon Lake areas. Drill Program totalling 11 diamond drillholes (drillholes COB-10-001-011).
Geology	• Deposit type, geological setting and style of mineralisation.	• Crescent Lake Pegmatite Group consists of a series of pegmatite dykes that intrude mafic meta-volcanic and meta-tonalitic rocks within a 1.2 km x 6 km area south of Crescent and Zig-Zag Lakes including the Tebishogeshik Pegmatite and the Dempster East Pegmatite. These pegmatites are complex-subtype, spodumene-subtype and have relatively high tantalum associated with oxide phases (columbite-tantalite group, ferrotapiolite and microlite), evolved garnet compositions and pervasive albitisation. • The Falcon Lake Pegmatite Group consists of a series of pegmatite dykes that intrude amphibolitized mafic meta-volcanic rocks within a 0.25 km x 4.5 km area between Funnel and Falcon Lakes including the Falcon Lake Discovery Pegmatite, Falcon Lake East Pegmatite and Falcon Lake West Pegmatite. These pegmatites are spodumene-subtype and have some of the highest reported tantalum-rich oxide values in Ontario, associated with manganotantalite and ferrotapiolite. • The mineralisation is dominantly spodemene (Li) with elevated Ta, Rb, Be and Cs.

Criteria	JORC Code explanation	Commentary
Drill hole Information	• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: ¬ easting and northing of the drill hole collar ¬ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar ¬ dip and azimuth of the hole ¬ down hole length and interception depth ¬ hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	• See Appendix 1
Data aggregation methods	• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. • Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Length-weighted average grades reported. No upper limit has been applied to lithium grades in these exploration results. • A cut-off grade of 0.2% Li_2O and a maximum internal dilution of 4m (downhole width) are used as a guideline when delineating the drilled thickness intervals of mineralisation. • All metal grades reported are single element.
Relationship between mineralisation widths and intercept lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	• Down hole length, true width not known.
Diagrams	• Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	• Refer to figures within report and within a 43-101 compliant report by Fladgate Exploration in 2011.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	• Results for this drilling have been comprehensively reported.
Other substantive exploration data	• Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	• There is no other exploration data which is considered material to the results reported.
Further work	• The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). • Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	• Detailed geological mapping, interpretation and prospecting to be completed on these prospects. Target testing contingent on positive results, interpretation and exploration ranking. • All future exploration work is commercially sensitive and will not be released to the market until results are available.

ASX announcement

29 SEPTEMBER 2016

Excellent Lithium Intercepts from Crescent Lake

Argonaut Resources NL (ASX: ARE) (*Argonaut* or the *Company*) is pleased to announce drilling results from the Crescent Lake project in Ontario, Canada.

Highlights

- Final results from a six-hole program of drilling at the Falcon Lake West deposit (Figure 2) feature potentially economic intercepts through thick, spodumene-bearing pegmatites.
- Highlights from final analysis include:
  - **24.4m at 1.48% Li_2O from 10.9m**; including **9.0m at 1.95% Li_2O from 20.4m** in drill hole FLDD006.
- Earlier results from this program featured an intercept of:
  - 21.7m at 1.09% Li_2O from 48.0m; including 7.9m at 1.31% Li_2O from 49.8m in drill hole FLDD001.
- A program of mapping to identify additional pegmatites (Figure 2) is planned to commence in October.

Argonaut Resources NL
ABN 97 008 084 848

Registered Office
Suite 4, Level 9
341 George Street
Sydney, NSW, 2000, Australia
T +61 2 9299 9690
F +61 2 9299 9629
E sydney@argonautresources.com

Adelaide Office
Level 1
63 Waymouth Street
Adelaide, SA, 5000, Australia
T +61 8 8231 0381
F +61 8 8231 6092
E adelaide@argonautresources.com

Crescent Lake Drilling

Crescent Lake is located 250km NNE of Thunder Bay in Ontario, Canada (Figure 4).

In July, Argonaut completed a six-hole program of diamond core drilling at the Falcon Lake West deposit. The program targeted two pegmatite units, one of which outcrops boldly. The Falcon Lake West deposit is one of four identified target areas featuring spodumene-bearing pegmatites in the eastern portion of the Crescent Lake project area (Figure 5).

The Crescent Lake pegmatite swarm is hosted within an east-west oriented greenstone belt.

Highlights from final analysis of the 2016 drilling program include:

- **24.4m at 1.48% Li_2O from 10.9m**; including **9.0m at 1.95% Li_2O from 20.4m** in drill hole FLDD006.
- 11m at 1.05% Li_2O from 40.2m; including 6m at 1.26% Li_2O from 43.8m in drill hole FLDD0002.

Highlights from the first batch of analytical results include:

- **21.7m at 1.09% Li_2O from 48.0m**; including **7.9m at 1.31% Li_2O from 49.8m** in drill hole FLDD001.

Further details are shown in Appendix 1.

This program confirmed that grades and thicknesses in the Falcon Lake area are potentially economic.

The area is well located, close to road and rail with nearby gas and electricity infrastructure.

Next Steps

Argonaut has outlined regional target zones that warrant detailed exploration for undiscovered pegmatites. These zones are elongate, structurally controlled zones within and at the margins of the greenstone belt that the hosts the known spodumene pegmatites in the area.

Argonaut will map these target zones with the aim of adding to the inventory of known lithium mineralisation at Crescent Lake. Contingent drilling to define pegmatite thicknesses and grades is intended to follow this mapping program.

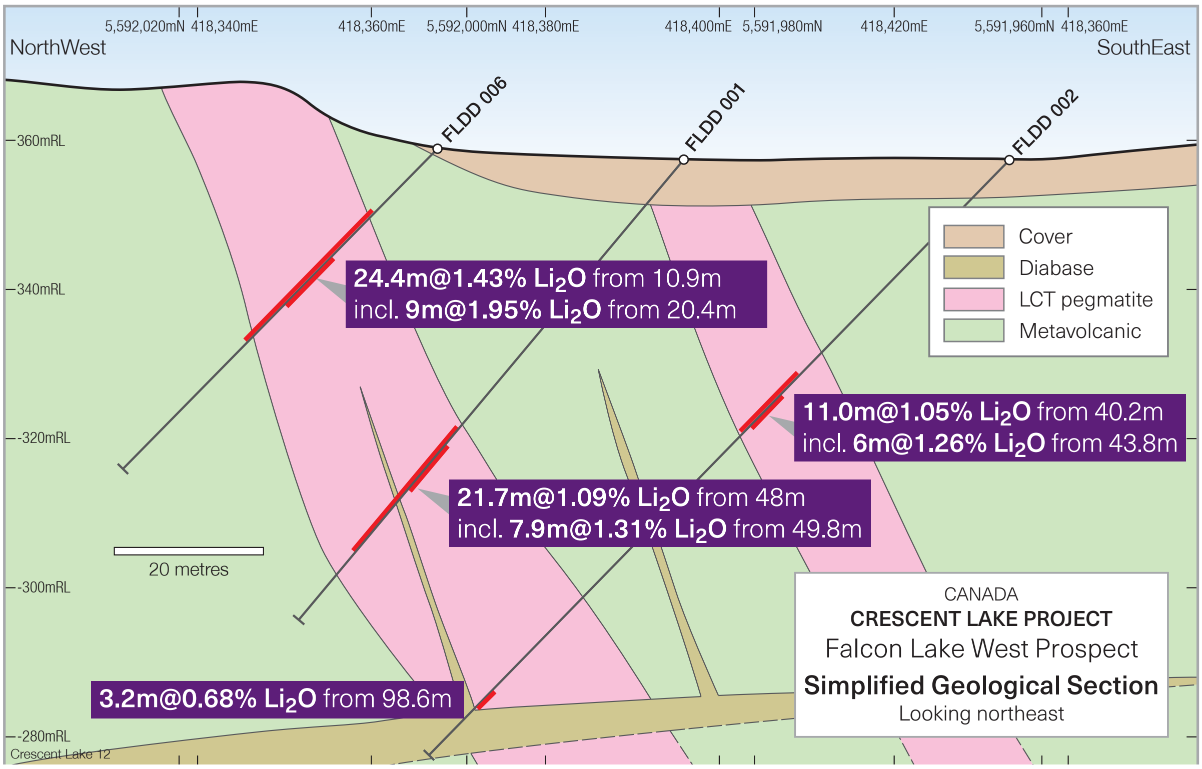


Figure 1 *Falcon Lake West – Interpretive geological cross section showing final drill intercepts.*

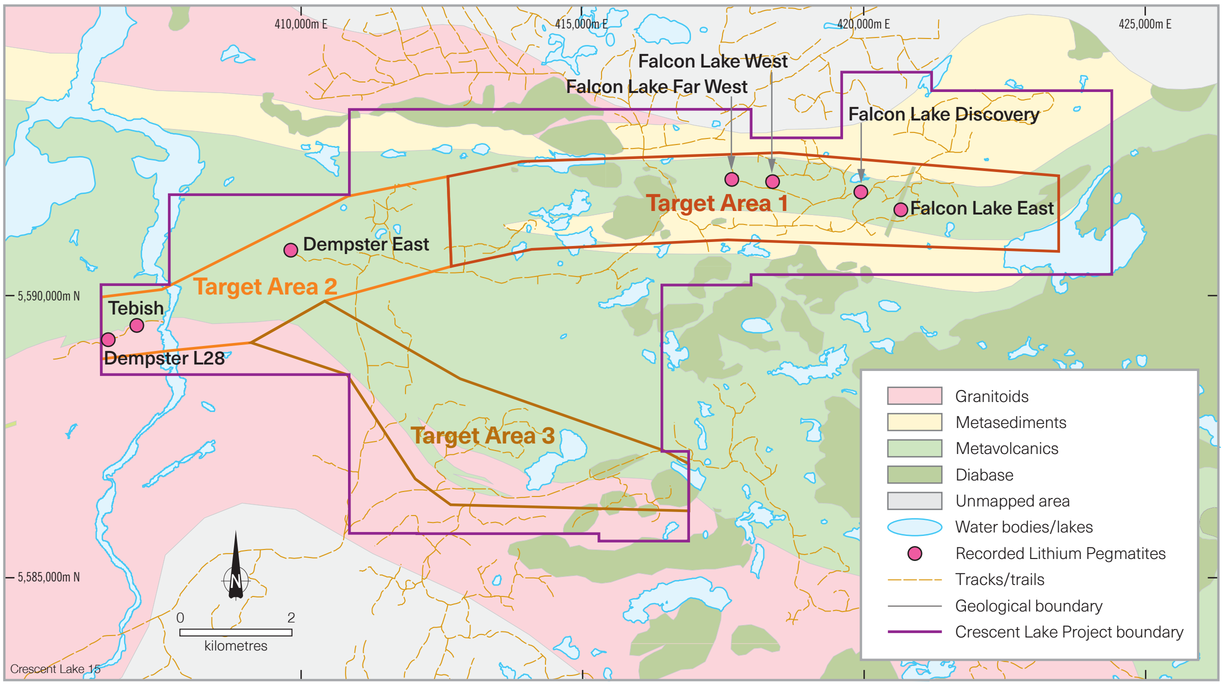


Figure 2 *Crescent Lake target zones with claim holding, geology and known pegmatites.*

Background

Argonaut now has rights to two Canadian projects and one South Australian lithium exploration target.

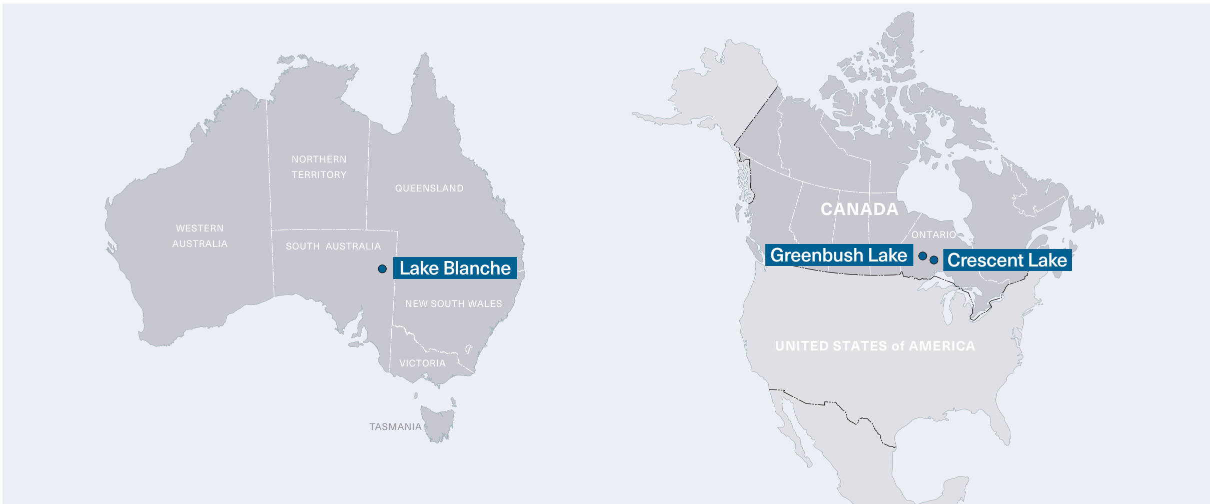


Figure 3 *Argonaut lithium project locations.*

Crescent Lake Project, Canada

(Argonaut acquiring 100%)

On 4 March 2016, Argonaut released details of the acquisition of the Falcon Lake and Zigzag blocks within the Crescent Lake Lithium Project area in Ontario, Canada (Figure 5).

Argonaut later announced that it had pegged additional claims in the area between Falcon Lake and Zigzag (Figure 5). These 100% held claims cover prospective, underexplored areas.

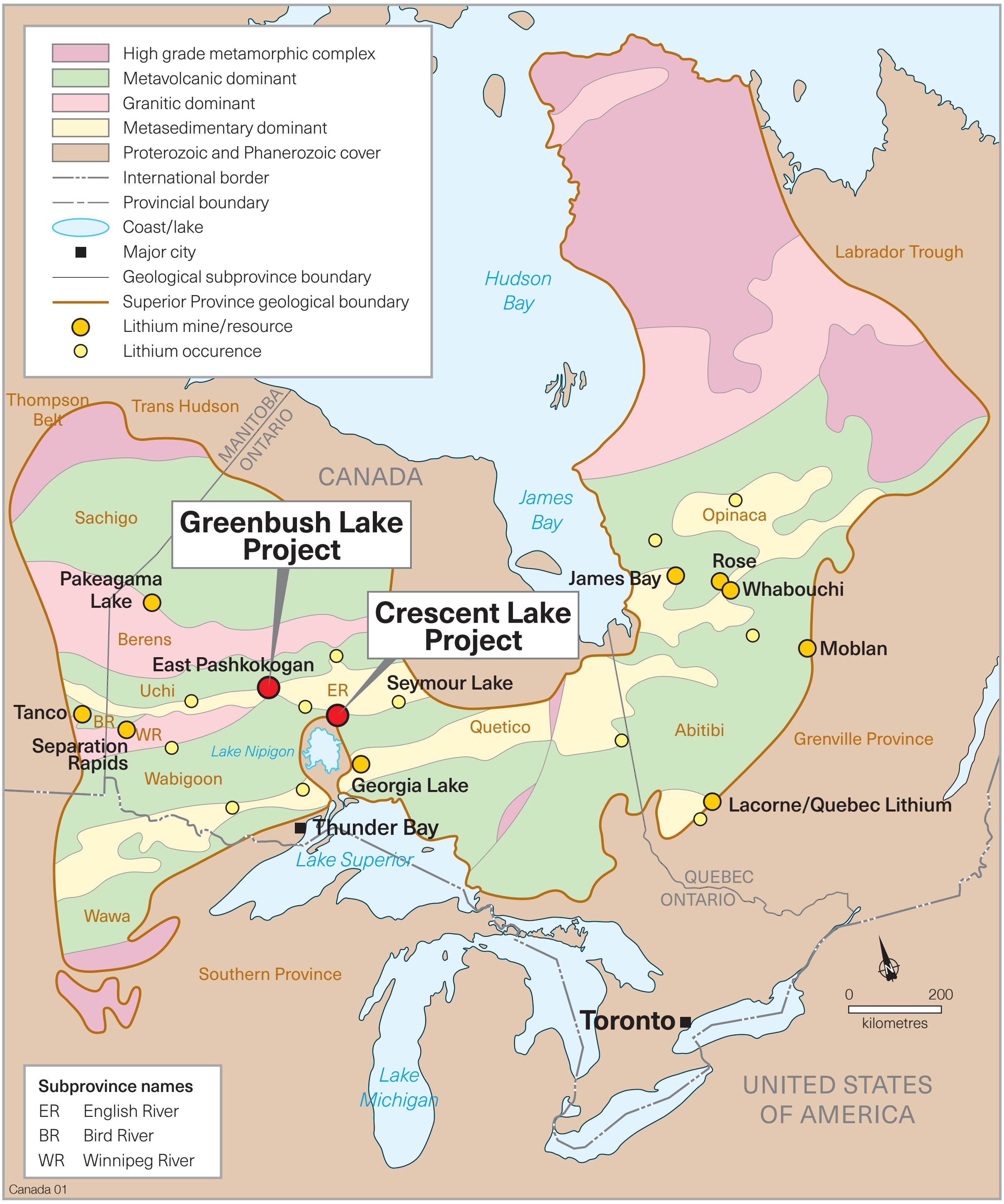


Figure 4 *Geology of the Superior Province, Canada, showing Greenbush Lake, Crescent Lake and regional lithium occurrences.*

Crescent Lake Lithium Project highlights include:

- Adjacent 23m and 10m thick pegmatites at Falcon Lake West deposit.
- Three to four stacked spodumene bearing pegmatites over 670m at the Tebish occurrence.
- The deposits are hard-rock pegmatite deposits containing spodumene mineralisation.
- The areas surrounding these known deposits are yet to be systematically explored.
- There is excellent potential to define deposit extensions and additional deposits.
- The deposits are well located close to the North American rail network and a major port.

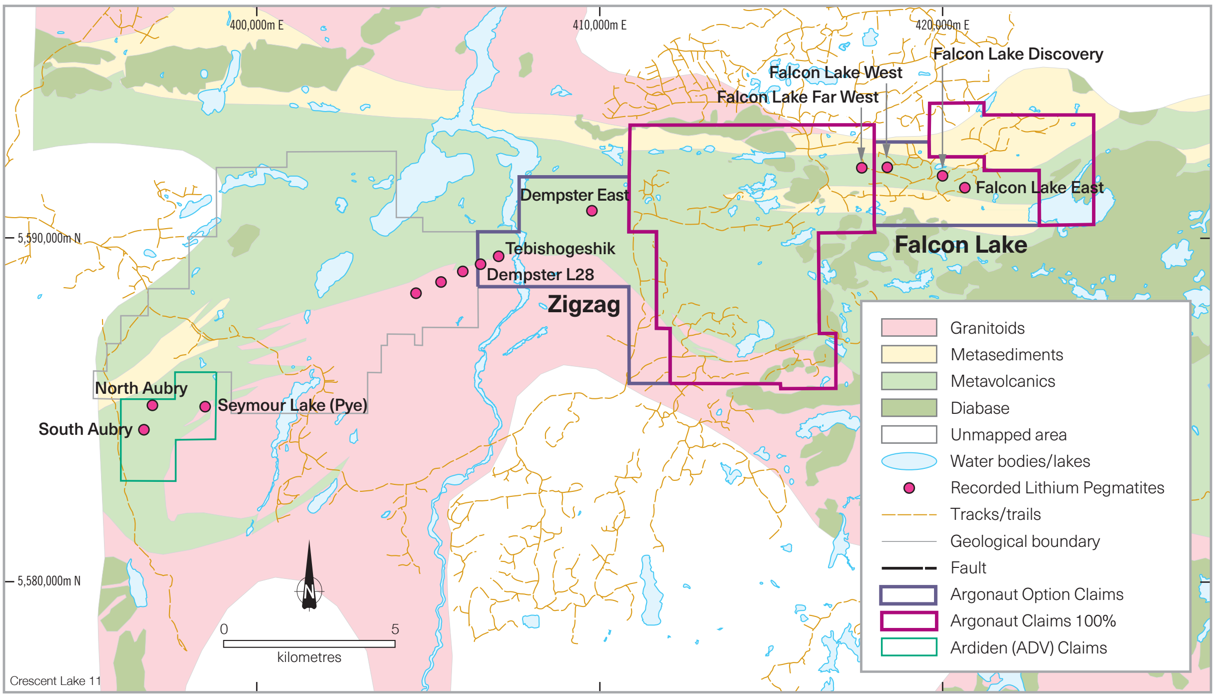


Figure 5 *Crescent Lake claim locations, spodumene pegmatite occurrences and geology.*

Greenbush Lake, Canada

(Argonaut 100%)

The Greenbush Lake Project is located approximately 150km north-west of Argonaut's Crescent Lake Lithium Project in Ontario, Canada (Figure 4) and features a large, outcropping spodumene pegmatite with grades of up to 2.46% Li_2O within an area confirmed as having the requisite geological components for lithium pegmatite emplacement.

The known lithium pegmatite occurrence is 15m wide by 30m in exposed strike length. The actual strike length of the known pegmatite has not yet been determined as the exposure continues under thin sedimentary cover to the north and under lake waters to the south. The pegmatite has not been drilled.

Argonaut purchased a 100% interest in three mineral claims for CAD100,000. The claims are subject to a 2% net smelter royalty.

Three phases of exploration have been undertaken in the area of the lithium occurrence.

1. The Ontario Department of Mines discovered the pegmatite around 1965 and took a chip sample across the full width (50 feet) of the outcrop. Analysis of the chip sample returned 1.25% Li_2O.
2. Placer Development Ltd explored the area for tantalum in 1980. A magnetic survey attempting to define the extent of the pegmatite was unsuccessful, however an assay of the outcrop returned 2.46% Li_2O.
3. Canadian Orebodies Inc. undertook an exploration program in 2009. Highlights of a rock-chip sampling program are shown in Table 1.

Description	Li_2O (%)
Outcrop	1.19
Float	1.96
Float	0.85
Float	0.95
Outcrop	1.58

Table 1 *2009 Rock-chip sample highlights, Greenbush Lake Project.*

Lake Blanche, South Australia

(Argonaut 100%)

On 4 April 2016, Argonaut announced it has secured two exploration licences covering Lake Blanche, a salt lake with the potential to host lithium brines and potash in the north of South Australia. These exploration licence have now been granted.

Lake Blanche is a closed to restricted basin covering an area of 1,700 square kilometres. The licence areas cover almost 2,000 square kilometres. The lake has a broad catchment that includes the Mt Babbage and Mt Painter Inliers which are recorded as containing elevated rare elements including lithium and tantalum (Figure 6).

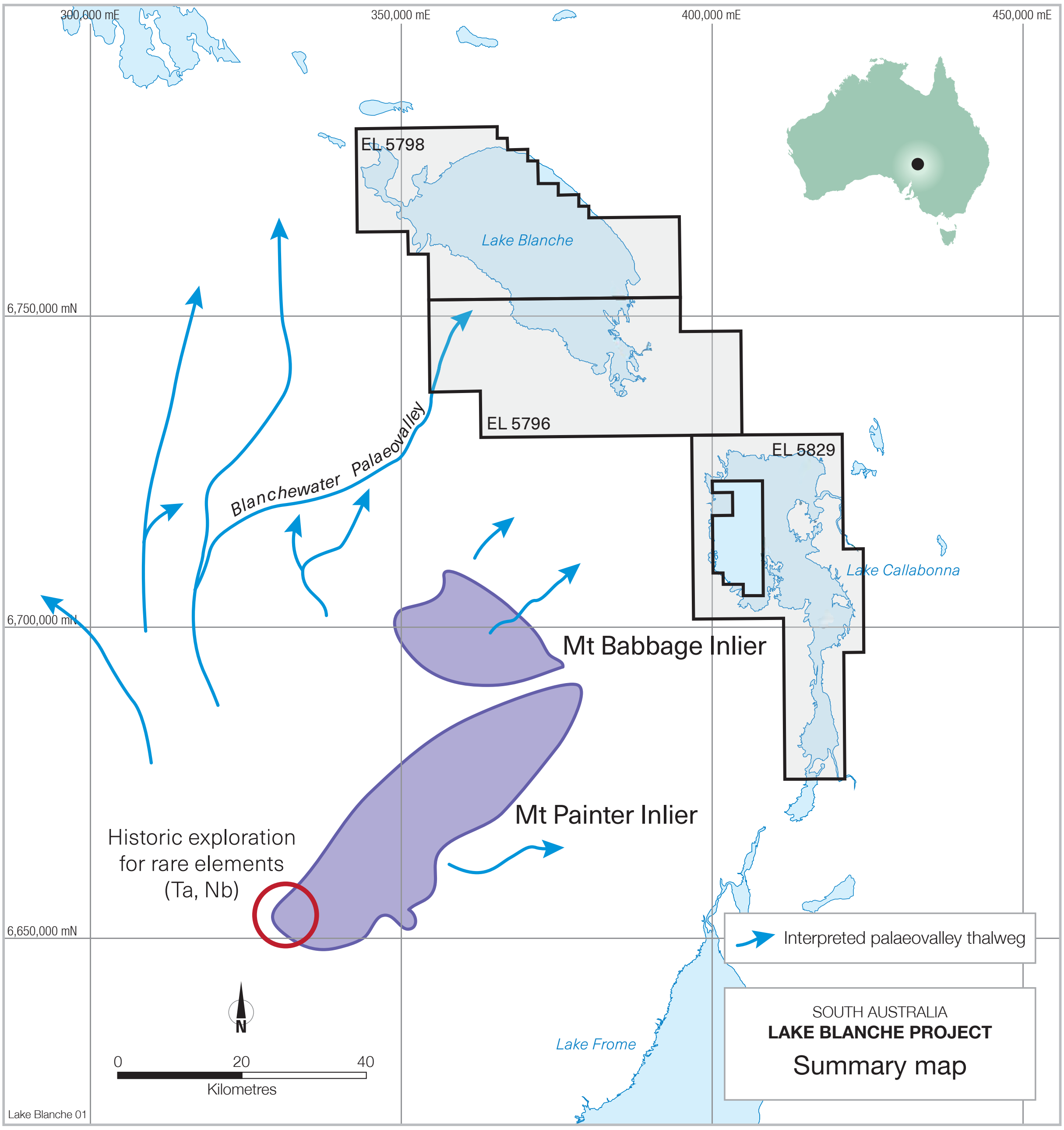


Figure 6 *Lake Blanche and exploration licence locations with relevant geological/hydrological features.*

Economic concentrations of lithium in brine generally occur in circumstances where ground waters percolate through neighbouring lithium bearing rocks into a closed, continental basin that has not been subject to marine flooding throughout its geological history. These geological criteria appear to be met at Lake Blanche.

An arc of lakes, including Lake Blanche, to the north of the Flinders Ranges has been independently defined as prospective by Geoscience Australia in a 2013 report titled ‘A Review of Australian Salt Lakes and Assessment of their Potential for Strategic Resources’. Argonaut, having assessed the potential of each lake on merit, determined that Lake Blanche has the best potential for economic lithium grades.

In the event economic concentrations of lithium are contained in Lake Blanche’s brines, the lake has the potential to be an internationally significant source.

Argonaut has also pegged the majority of Lake Callabonna to the southeast. This tenement a strategic holding in the event of exploration success and Lake Blanche.

No previous lithium brine exploration has been recorded in the Lake Blanche area although historic brine exploration has been undertaken at Lake Frome, to the southeast.

Lindsay Owler
Director and CEO

Argonaut Resources NL

Sections of information contained in this report that relate to Exploration Results were compiled or supervised by Mr Lindsay Owler BSc, MAusIMM who is a Member of the Australasian Institute of Mining and Metallurgy and is a full time employee of Argonaut Resources NL. Mr Owler holds shares and options in Argonaut Resources NL, details of which are disclosed in the Company’s 2015 Annual Report and an announcement to the ASX dated 23 May 2016. Mr Owler has sufficient experience which is relevant to the style of mineral deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the “Australasian Code for Reporting of Mineral Resources and Ore Reserves”. Mr Owler consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Appendix 1 – Crescent Lakes intercepts

Hole	East	North	RL	Dip	Azimuth	Total Depth	From	To	Interval	Li	Prospect Area
FLDD001	418396	5591985	357	-50	300	81.0	47.0	73.2	26.2	0.94	Falcon Lake West
including							49.8	57.7	7.9	1.31	
FLDD002	418433	5591963	356	-45	300	111.0	34.0	52.2	18.2	0.82	Falcon Lake West
including							35.6	37.1	1.5	1.31	
and							40.2	51.2	11.0	1.05	
including							43.8	49.8	6.0	1.26	
							98.6	101.8	3.2	0.68	
including							99.6	100.6	1.0	1.12	
FLDD003	418394	5591944	358	-50	300	96.0	12.3	18.7	6.4	0.16	Falcon Lake West
							22.7	47.0	24.3	0.55	
including							25.7	36.9	11.2	0.89	
including							25.7	31.6	5.9	1.34	
FLDD004	418413	5591931	359	-45	300	111.0	48.7	61.5	12.8	0.17	Falcon Lake West
							48.7	50.5	1.8	0.49	
							63.5	68.0	4.5	0.17	
FLDD005	418447	5592055	364	-50	300	75.0	55.7	58.2	2.5	0.91	Falcon Lake West
including							55.7	57.2	1.5	1.42	
FLDD006	418367	5592002	358	-45	300	60.0	10.9	35.3	24.4	1.48	Falcon Lake West
including							11.9	34.3	22.4	1.59	
including							13.9	33.4	19.5	1.73	
including							20.4	29.4	9.0	1.95	

NOTES

1 *Calculated using 0.1% Li_2O lower cut threshold, no upper cut threshold, maximum 4 metres internal dilution.*

2 *Analysis by ALS Chemex – Methods ME-MS61 48 element suite, Li-OG63 for Li >1%.*

3 *Coordinate System: NAD83, Zone 16.*

4 *Li_2O% calculated as (Li ppm/1,000,000) x 2.153 x 100%.*

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data – Crescent Lake Project

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report. • In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	• The Falcon Lake West prospect was sampled using diamond drill holes in a June 2016 drilling campaign. A total of 6 drill holes (FLDD001-006) were drilled for a total of 534 metres. • Drillcore was logged for lithology, weathering, alteration, mineralisation and structure. Sampling was conducted as half core (NQ). Sampling followed ARE procedures and industry best practice QA/QC procedures. • Drillcore was sampled on nominal 1 metre intervals except at lithological contacts. All pegmatite was sampled, generally at 1 m intervals, as well as shoulder samples into metavolcanic lithologies. • Samples were dried, crushed, split, pulverised and pulp taken for four acid digest followed by ICP-MS and ICP-AES techniques. Samples with sulphide mineralization present were analysed using the ME-MS61 method and additionally analysed for precious metals. Samples reporting values over the method detection limit (>10000 ppm Li) were automatically analysed using the Li-OG63 method, which uses four acid digestion and ICP-AES finish.
Drilling techniques	• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	• Diamond core only, NQ core size for 2016 program
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	• Drillcore recoveries were logged per drilling run. • Drillcore logged and measured to check run length measurement against driller's records. • Diamond drillcore has high recoveries with negligible core loss recorded.
Logging	• Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged.	• Drillcore has been logged for geological (lithology, mineralisation, alteration) and geotechnical (RQD, recovery) information. All core logging was digitally documented using spreadsheets. • All holes are logged and photographed.
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• Selected drillcore was cut in half using core saws at field camp, and half core (NQ size) collected for sampling, ensuring the same side of the drillcore was consistently sampled. • Samples were prepared at and crushed with a subsample split for pulverising. Regular sizing checks were undertaken and reported. • Sample sizes are appropriate to the grain size of the material being sampled.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	• Samples were submitted to ALS Chemex, Thunder Bay, Ontario for preparation. Analysis undertaken included a four acid digest (sulphuric, nitric, perchloric and hydrofluoric) and Inductively Coupled Plasma (ICP) finish at ALS Chemex hub laboratory, Vancouver, BC. • QAQC procedures include a chain of custody protocol, systematic submittal of 10 to 20% QA/QC samples including externally sourced blanks and certified reference samples into the flow of samples submitted to the laboratory.
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	• Significant intersections are reported by ARE. • Interpreted positions of historic drillholes have been have been used to test and verify historic intercepts. Actual collar positions of pre 2010 drilling could not be determined. • Data entry and verification is undertaken by Fladgate Exploration following an established protocol into spreadsheets, all data is stored in a digital format. • No statistical adjustments to data have been applied.
Location of data points	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control.	• Drillhole locations have been surveyed by averaged handheld GPS measurements with an accuracy of +/- 3m. Down hole surveys were collected every 20 to 30 metres using Reflex survey instrument. • The grid system for the Crescent Lake Project is UTM NAD83, zone 16. • SRTM elevation data was used to provide topographic control where appropriate.
Data spacing and distribution	• Data spacing for reporting of Exploration Results. • Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. • Whether sample compositing has been applied.	• Wide spaced exploration drilling. • No resources or reserves reported.
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• Mapping undertaken in 2009 and 2016 at prospect scale to refine local structural fabric and thus to drill perpendicular to the interpreted structural orientation. • No orientation based bias had been identified in the data to this point.
Sample security	• The measures taken to ensure sample security.	• The chain of custody for sample dispatch was implemented and is as follows: After splitting, samples were taken directly to the analytical facility inside polywoven bags. Appropriate chain of custody was confirmed by ARE and Fladgate personnel, who delivered the samples to the laboratory. Sample reception confirmed sample receipt with Fladgate and the samples became the custody of the lab for preparation and analysis.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• Sampling and analytical techniques reviewed prior to program and deemed appropriate for type of mineralisation. ARE staff reviewed and supervised sampling techniques on site.

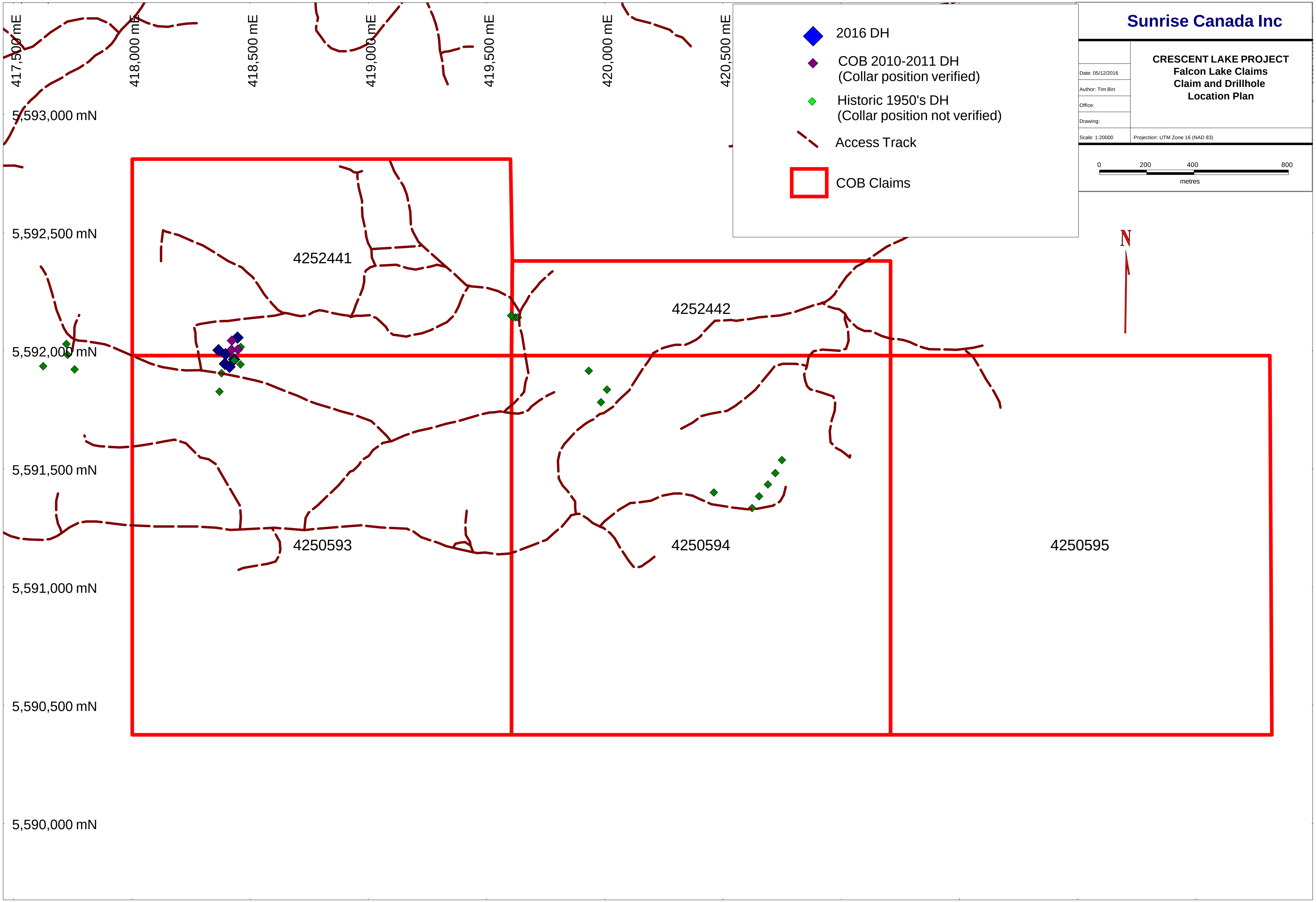
Section 2 Reporting of Exploration Results – Crescent Lake Project

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	• All claims are in good standing and are 100% owned by Canadian Orebodies • No known impediments.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• Dempster Explorations Ltd. (late 1950's – 1960) – Line cutting, trenching and shallow diamond drillholes. Drilling in Zigzag (Drillholes 2-10 and 23-29). • British Canadian Lithium Mines Ltd (1956 – 1958) – Line cutting and Drill Program totalling 22 diamond drillholes. Drill in Falcon Lake (Drillholes D1-3, E1-6, W1-9) • Panther International (1959) – Diamond drilling in vicinity of Zigzag and Falcon Lake. • Bird River Mines Co. Ltd. (1975 –1982) – Grid cutting, geochemistry and geophysics in Zigzag area. • Mattagami Lake Mines Ltd. (1977) – Geophysical surveys in Falcon Lake area. • E&B Explorations Inc. and Cominco Ltd. (1978 – 1980) – Line cutting, geochemical sampling, geological mapping, channel sampling in Zig Zag and Falcon Lake areas. • Complex Minerals Corp. (1997) – Geophysics and mechanical trenching in Zigzag area. • Platinova Resource Ltd. (2002) – Historic result confirmation and exploration targeting program. • Canadian Orebodies (2009 – present) – Line cutting, geochemical sampling, geological mapping, channel sampling in Zig Zag and Falcon Lake areas. Drill Program totalling 11 diamond drillholes (drillholes COB-10-001-011).
Geology	• Deposit type, geological setting and style of mineralisation.	• Crescent Lake Pegmatite Group consists of a series of pegmatite dykes that intrude mafic meta-volcanic and meta-tonalitic rocks within a 1.2 km x 6 km area south of Crescent and Zig-Zag Lakes including the Tebishogeshik Pegmatite and the Dempster East Pegmatite. These pegmatites are complex-subtype, spodumene-subtype and have relatively high tantalum associated with oxide phases (columbite-tantalite group, ferrotapiolite and microlite), evolved garnet compositions and pervasive albitisation. • The Falcon Lake Pegmatite Group consists of a series of pegmatite dykes that intrude amphibolitized mafic meta-volcanic rocks within a 0.25 km x 4.5 km area between Funnel and Falcon Lakes including the Falcon Lake Discovery Pegmatite, Falcon Lake East Pegmatite and Falcon Lake West Pegmatite. These pegmatites are spodumene-subtype and have some of the highest reported tantalum-rich oxide values in Ontario, associated with manganotantalite and ferrotapiolite. • The mineralisation is dominantly spodemene (Li) with elevated Ta, Rb, Be and Cs.

Criteria	JORC Code explanation	Commentary
Drill hole Information	• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: ¬ easting and northing of the drill hole collar ¬ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar ¬ dip and azimuth of the hole ¬ down hole length and interception depth ¬ hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	• See Appendix 1
Data aggregation methods	• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. • Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Length-weighted average grades reported. No upper limit has been applied to lithium grades in these exploration results. • A cut-off grade of 0.2% Li_2O and a maximum internal dilution of 4m (downhole width) are used as a guideline when delineating the drilled thickness intervals of mineralisation. • All metal grades reported are single element.
Relationship between mineralisation widths and intercept lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	• Down hole length, true width not known.
Diagrams	• Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	• Refer to figures within report and within a 43-101 compliant report by Fladgate Exploration in 2011.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	• Results for this drilling have been comprehensively reported.
Other substantive exploration data	• Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	• There is no other exploration data which is considered material to the results reported.
Further work	• The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). • Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	• Detailed geological mapping, interpretation and prospecting to be completed on these prospects. Target testing contingent on positive results, interpretation and exploration ranking. • All future exploration work is commercially sensitive and will not be released to the market until results are available.

Appendix VI – Drillhole Plans and Sections



Sunrise Canada Inc
CRESCENT LAKE PROJECT
Falcon Lake Claims
Claim and Drillhole
Location Plan
Date: 05/12/2016
Author: Tim Birt
Office:
Drawing:
Scale: 1:20000
Projection: UTM Zone 16 (NAD 83)
0
200
400
800
metres
2016 DH
COB 2010-2011 DH
(Collar position verified)
Historic 1950's DH
(Collar position not verified)
Access Track
COB Claims
N
417,500 mE
418,000 mE
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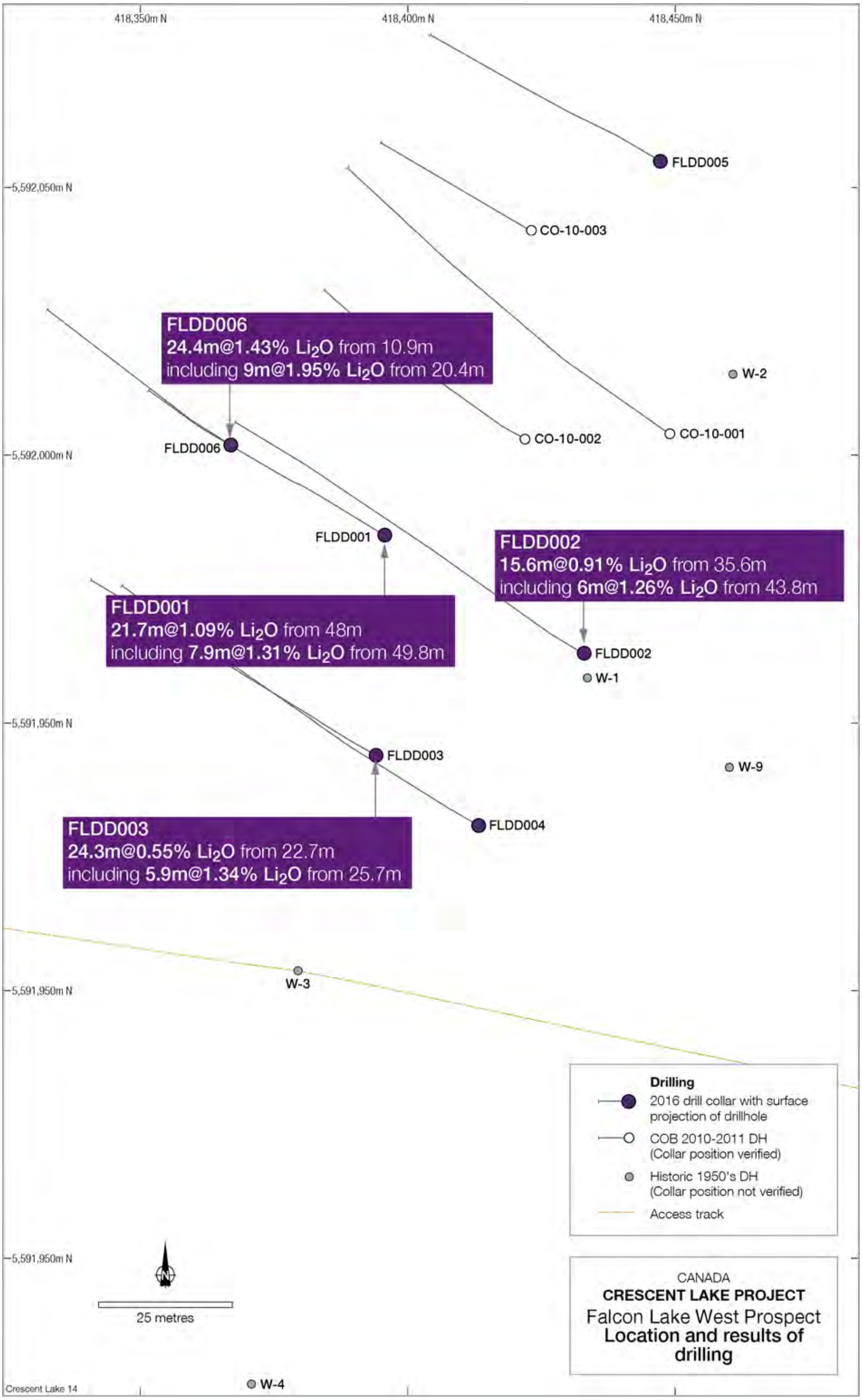
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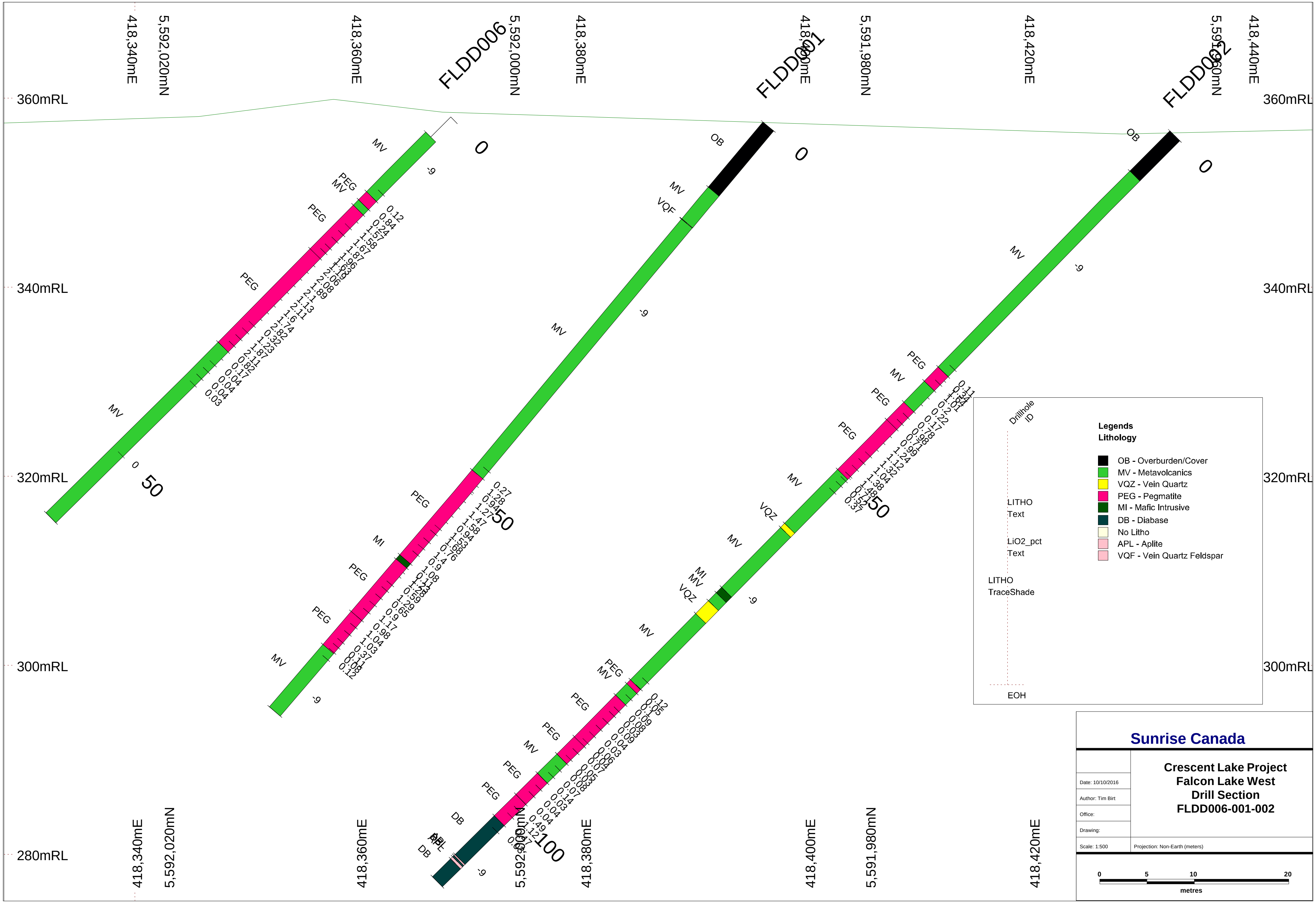
FLDD005
CO-10-003
FLDD006
24.4m@1.43% Li2O from 10.9m
including 9m@1.95% Li2O from 20.4m
W-2
CO-10-002
CO-10-001
FLDD006
FLDD001
FLDD002
15.6m@0.91% Li2O from 35.6m
including 6m@1.26% Li2O from 43.8m
FLDD001
21.7m@1.09% Li2O from 48m
including 7.9m@1.31% Li2O from 49.8m
FLDD002
W-1
FLDD003
W-9
FLDD003
24.3m@0.55% Li2O from 22.7m
including 5.9m@1.34% Li2O from 25.7m
FLDD004
W-3
Drilling
2016 drill collar with surface projection of drillhole
COB 2010-2011 DH (Collar position verified)
Historic 1950's DH (Collar position not verified)
Access track
N
25 metres
CANADA
CRESCENT LAKE PROJECT
Falcon Lake West Prospect
Location and results of drilling
Crescent Lake 14
W-4


418,350m N
418,400m N
418,450m N
5,592,050m N
5,592,000m N
5,591,950m N
5,591,950m N
5,591,950m N
FLDD005
CO-10-003
FLDD006
24.4m@1.43% Li2O from 10.9m
including 9m@1.95% Li2O from 20.4m
W-2
CO-10-002
CO-10-001
FLDD006
FLDD001
FLDD002
15.6m@0.91% Li2O from 35.6m
including 6m@1.26% Li2O from 43.8m
FLDD001
21.7m@1.09% Li2O from 48m
including 7.9m@1.31% Li2O from 49.8m
FLDD002
W-1
FLDD003
W-9
FLDD004
FLDD003
24.3m@0.55% Li2O from 22.7m
including 5.9m@1.34% Li2O from 25.7m
W-3
Drilling
2016 drill collar with surface projection of drillhole
COB 2010-2011 DH (Collar position verified)
Historic 1950's DH (Collar position not verified)
Access track
N
25 metres
CANADA
CRESCENT LAKE PROJECT
Falcon Lake West Prospect
Location and results of drilling
Crescent Lake 14
W-4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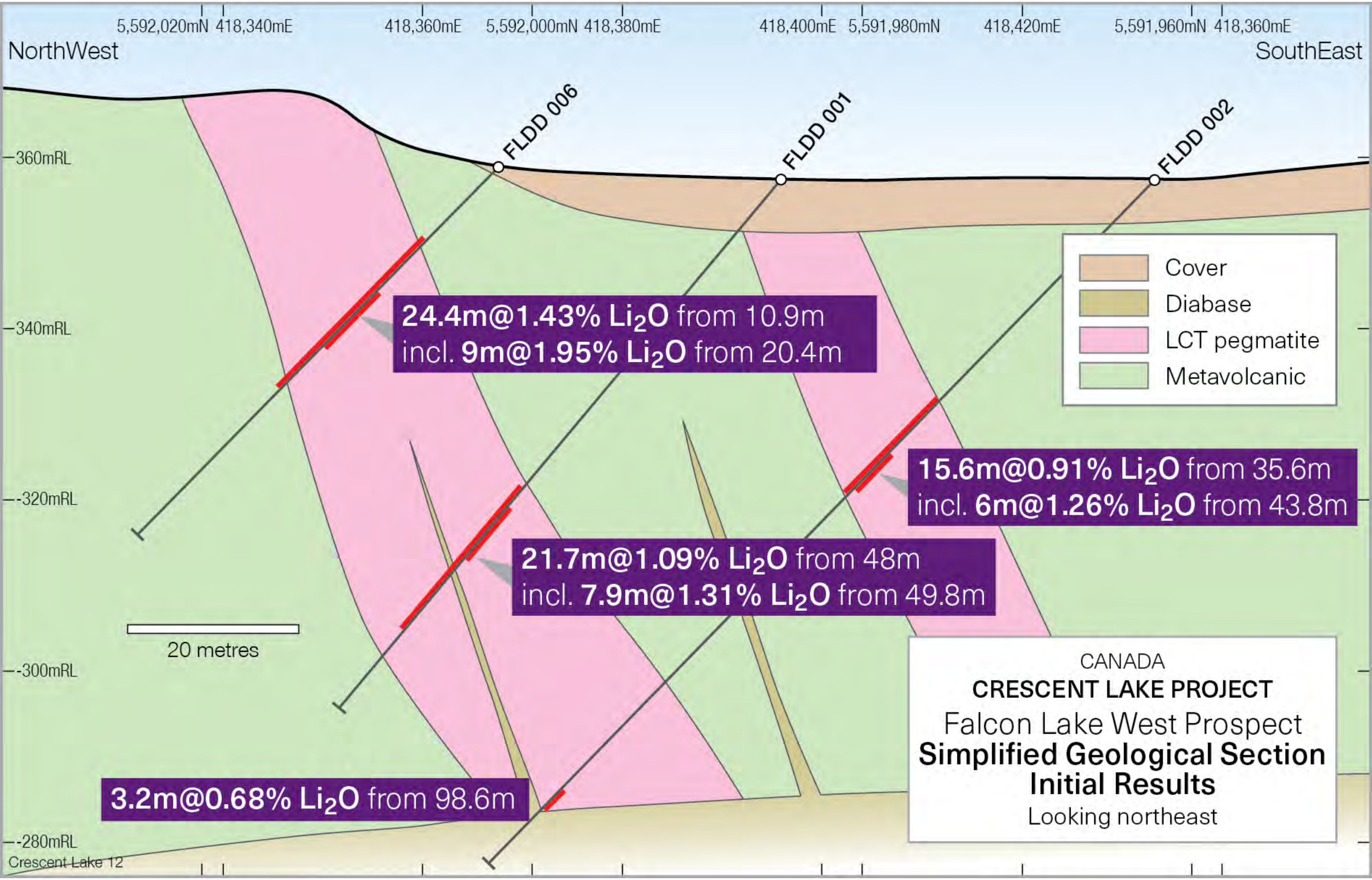
340mRL
320mRL
300mRL
280mRL
Drillhole ID
LITHO Text
LiO2_pct Text
LITHO TraceShade
EOH
Legends
Lithology
OB - Overburden/Cover
MV - Metavolcanics
VQZ - Vein Quartz
PEG - Pegmatite
MI - Mafic Intrusive
DB - Diabase
No Litho
APL - Aplite
VQF - Vein Quartz Feldspar
Sunrise Canada
Crescent Lake Project
Falcon Lake West
Drill Section
FLDD006-001-002
Date: 10/10/2016
Author: Tim Birt
Office:
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)
0
5
10
20
metres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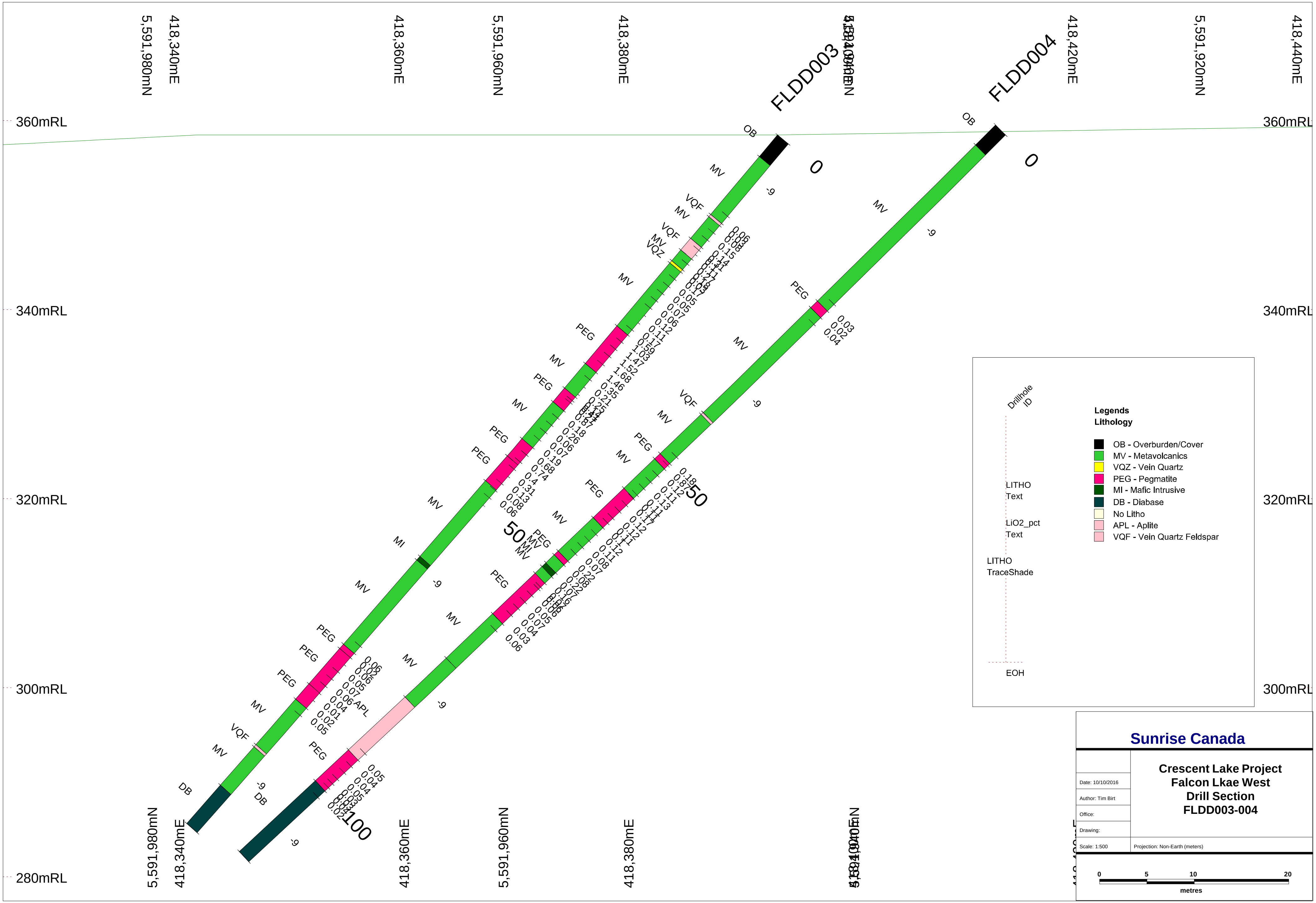
5,591,960mN 418,360mE
NorthWest
SouthEast
FLDD 006
FLDD 001
FLDD 002
-360mRL
-340mRL
-320mRL
-300mRL
-280mRL
Cover
Diabase
LCT pegmatite
Metavolcanic
24.4m@1.43% Li2O from 10.9m
incl. 9m@1.95% Li2O from 20.4m
15.6m@0.91% Li2O from 35.6m
incl. 6m@1.26% Li2O from 43.8m
21.7m@1.09% Li2O from 48m
incl. 7.9m@1.31% Li2O from 49.8m
3.2m@0.68% Li2O from 98.6m
20 metres
CANADA
CRESCENT LAKE PROJECT
Falcon Lake West Prospect
Simplified Geological Section
Initial Results
Looking northeast
Crescent Lake 12

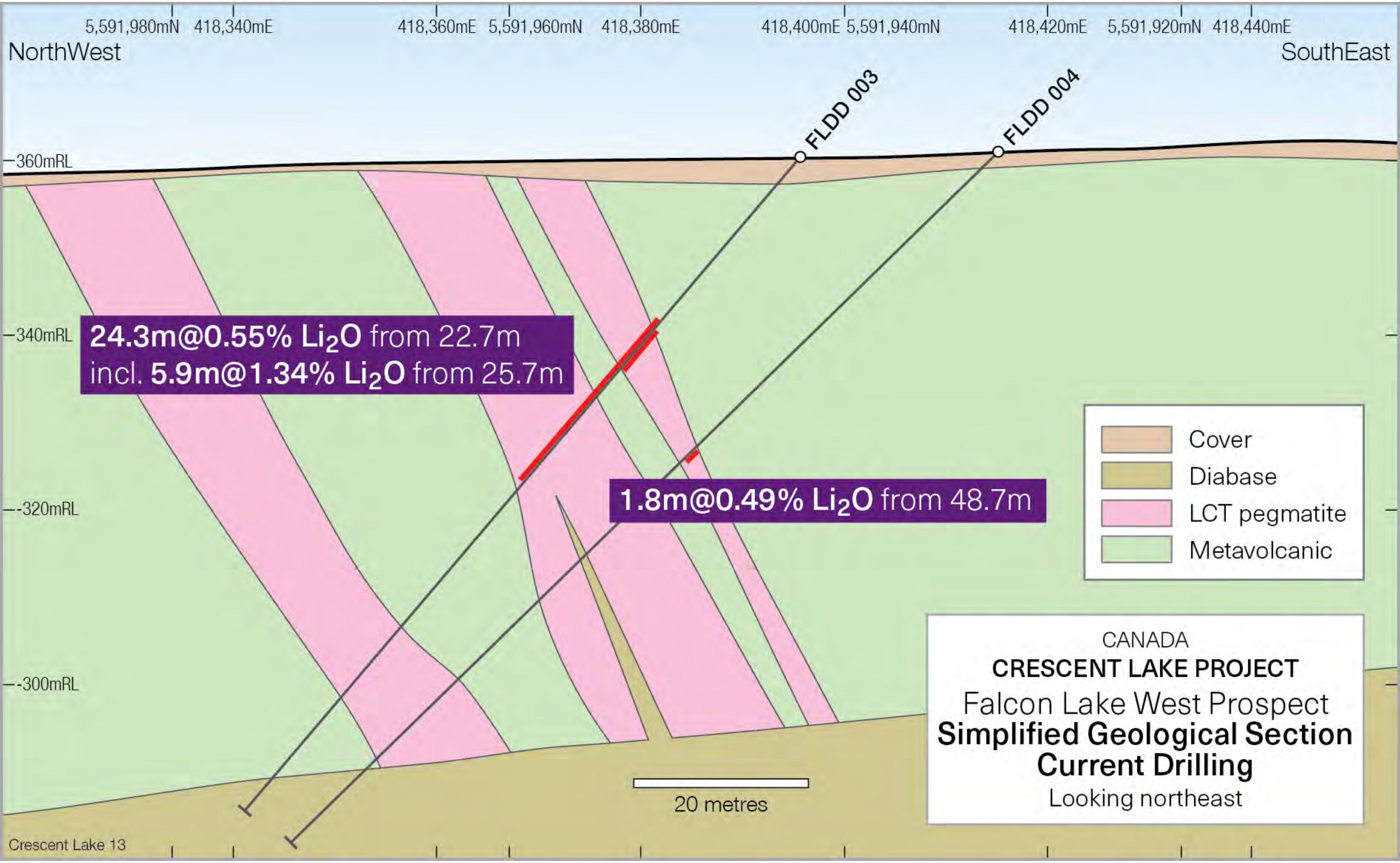


Sunrise Canada

Crescent Lake Project
Falcon Lkae West
Drill Section
FLDD003-004

Date: 10/10/2016
Author: Tim Birt
Office:
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)

0 5 10 20
metres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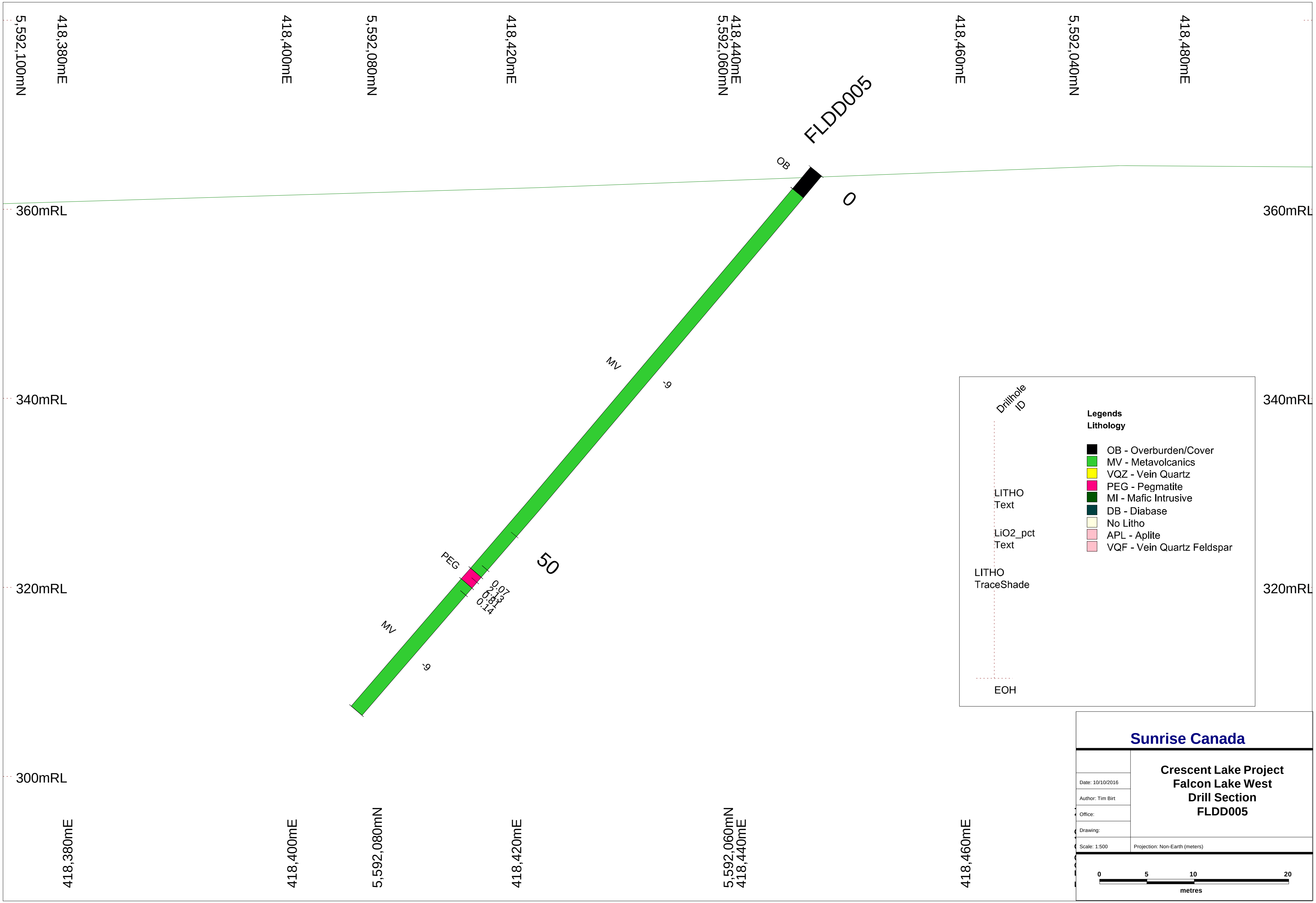
418,440mE
NorthWest
SouthEast
FLDD 003
FLDD 004
360mRL
340mRL
-320mRL
-300mRL
24.3m@0.55% Li_2O from 22.7m
incl. 5.9m@1.34% Li_2O from 25.7m
1.8m@0.49% Li_2O from 48.7m
Cover
Diabase
LCT pegmatite
Metavolcanic
20 metres
CANADA
CRESCENT LAKE PROJECT
Falcon Lake West Prospect
Simplified Geological Section
Current Drilling
Looking northeast
Crescent Lake 13



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FLDD005
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PEG
50
0.07
0.14
MV
-9
360mRL
340mRL
320mRL
300mRL
Drillhole ID
LITHO Text
LiO2_pct Text
LITHO TraceShade
EOH
Legends
Lithology
OB - Overburden/Cover
MV - Metavolcanics
VQZ - Vein Quartz
PEG - Pegmatite
MI - Mafic Intrusive
DB - Diabase
No Litho
APL - Aplite
VQF - Vein Quartz Feldspar
Sunrise Canada
Crescent Lake Project
Falcon Lake West
Drill Section
FLDD005
Date: 10/10/2016
Author: Tim Birt
Office:
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)
0
5
10
20
metres

Appendix VII – Detailed Drill Logs

Drillhole ID	Easting (NAD83_Z16)	Northing (NAD83_Z16)	Elevation (m)	Core Size	Drilling Company	Azimuth	Dip	Total Depth (m)	Date commenced	Date completed	Date Logged	Logged By	Overburden depth	Location of Core Storage
FLDD001	**418396**	**5591985**	**357**	**NQ**	**Chibougamau Diamond Drilling Ltd**	**300**	**-50**	**81**	**16/06/2016**	**17/06/2016**	**19/06/2016**	**Stephen Greiner**	**9**	**Falcon Lake**

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD001	0	9	Overburden	OB										
FLDD001	9	13.37	Mafic Metavolcanics	MV	Strongly foliated, qtartz-chlorite altered mafic metavolcanics. Foliation is roughly 30 degrees to core axis.	Dark green							Qtz/Chl	
FLDD001	13.37	13.42	Quartz Feldspar Vein	VQF	Small (5cm), medium grained to coarse grained VQF vein running very slightly oblique (~5 degrees) to foliation. Contact at roughly 40 degrees to core axis. Contact shows a weak chill margin w/ stronger chlorite alteration w/ in meta volcanics. Weak kspar alteration. Trace Tourmaline.	Grey	10	85	0	5	0	<1	Potassic	
FLDD001	13.42	48	Mafic Metavolcanics	MV	Strongly foliated, quartz-chlorite altered mafic metavolcanics. Foliation is roughly 30 degrees to core axis. Sparse intermittents sections hosting weak hamatite alteration which follow foliation. Foliation consistent at roughly 30 degrees to core axis. Very rare qtz-carb veinlets occur throughout. Small boudinaged zones again at roughly 30 degrees to core axis occur centered at 30.2m, 30.6m, 32.2 and 33.4. A single qtz vein occur from 29.36 to 29.46. End of zone is in contact	Dark green							Qtz/Chl/Hem/Carb	
FLDD001	48	59.8	Pegmatite	PEG	A section of the pegmatite with moderate kspar composition in comparison to other zones. Grain size is variable throughout ranging from coarse grained (1cm) to almost megacrystic (10+cm). Some noticable grain orientation from 51.5 to 55.4 at roughly 10 degrees off core axis. kspar rich subzones are usually spodumene poor. Quartz seems to grow intertitial and in more association with spodumene.	Pink-grey-light green	5	35	30	30	<1	<1	Potassic	Spodumene
FLDD001	59.8	60.4	Mafic Intrusive	MI	A small, very fine grained mafic dyke.	Black								
FLDD001	60.4	67.7	Pegmatite	PEG	A section of pematite w/ intermittent zones of coarse grained quartz/albite/spodumene adjacent to megacrystic (30+cm) quartz/albite/kspar/spodumene. Spodumene is a light green and tend to be rimmed w/ the smokey grey quartz.	Pink-grey-light green	10	40	40	10	<1	<1	Potassic	Spodumene
FLDD001	67.7	72.3	Pegmatite	PEG	A far more kspar/albite rich, megacrystic section of the pegmatite. The section again shows intermittent areas of grain size variability with coarse grained sections adjacent to megacrystic sections. Overall all the area is far more kspar rich.	Pink-grey-light green-white	40	15	15	30	<1		Potassic	Spodumene
FLDD001	72.3	81	Mafic Metavolcanics	MV	Strongly foliated, quartz-chlorite altered mafic metavolcanics. Again foliation is roughly 30 to 35 degrees to core axis. Small quarts bands occur along foliation and range from 2mm's to 3cm's thick. Some boudinage is seen around 76.9m. Weak carbonate alteration occurs along foliation and fracture planes.	Dark green							Qtz/chl/carb	

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD001	47	48	1	R413001		Shoulder of pegmatite within mafic metavolcanics. Upper contact.	Stephen Greiner
FLDD001	48	49	1	R413002		Section downhole from contact of pegmatite with metavolcanics.	Stephen Greiner
FLDD001	49	49.8	0.8	R413003		More kspar rich section	Stephen Greiner
FLDD001	49.8	51.1	1.1	R413004		Sample with variable composition. Samples would be to small to section out.	Stephen Greiner
FLDD001	51.1	52	0.9	R413005		A more kspar poor/quartz-spodumene rich section.	Stephen Greiner
FLDD001	52	53.1	1.1	R413006		A more megacrystic section. Variable composition with strong spodumene, kspar and moderate quartz.	Stephen Greiner
FLDD001	53.1	54	0.9	R413007		A very coars graine section, more kspar poor.	Stephen Greiner
FLDD001	54	55	1	R413008		Very coarse grained grading into megacrystic. Podumene rich.	Stephen Greiner
FLDD001	55	55.7	0.7	R413009		Very coarse grained spodumene rich/kspar poor section.	Stephen Greiner
FLDD001				R413010	Standard		Stephen Greiner
FLDD001				R413011	Blank		Stephen Greiner
FLDD001	55.7	56.8	1.1	R413012		Variable composition w/ moderate kspar and albite.	Stephen Greiner
FLDD001	56.8	57.7	0.9	R413013		spodumene rich/kspar poor section.	Stephen Greiner
FLDD001	57.7	58.6	0.9	R413014		Variable composition w/ moderate kspar and albite.	Stephen Greiner
FLDD001	58.6	59.8	1.2	R413015		Very coarse grained to megacrystic. Variable composition w/ weak kspar, strong albite and moderate spodumene.	Stephen Greiner
FLDD001	59.8	60.4	0.6	R413016		Mafic dyke	Stephen Greiner
FLDD001	60.4	61	0.6	R413017		Megacrystic section w/ strong albite, moderate quartz/spodumene	Stephen Greiner
FLDD001	61	61.6	0.6	R413018		Coarse grained section crossing into a megacrystic section w/ low kspar and moerate quartz/albite/spodumene.	Stephen Greiner
FLDD001	61.6	62.8	1.2	R413019		An entirely megacrystic section rich in kspar/albite and poor in spodumene.	Stephen Greiner
FLDD001	62.8	63.6	0.8	R413020		A megacrystic section which is spodumene rich.	Stephen Greiner
FLDD001	63.6	64.6	1	R413021		A coarse grained section which is spodumene rich/kspar poor	Stephen Greiner
FLDD001	64.6	65.6	1	R413022		A coarse grained section which is spodumene rich/kspar poor	Stephen Greiner
FLDD001	65.6	66.6	1	R413023		A coarse grained section which is spodumene rich/kspar poor	Stephen Greiner
FLDD001	66.6	67.7	1.1	R413024		A coarse grained section which is spodumene rich/kspar poor	Stephen Greiner
FLDD001	67.7	68.7	1	R413025		A magacrystic section with relatively equal amounts of quartz/spodumene/kspar	Stephen Greiner
FLDD001	68.7	69.7	1	R413026		A magacrystic section with relatively equal amounts of quartz/spodumene/kspar	Stephen Greiner
FLDD001	69.7	70.8	1.1	R413027		A megacrystic section strong in albite/kspar and poor in spodumene	Stephen Greiner
FLDD001	70.8	71.5	0.7	R413028		A coarse grained section rich in kspar/quartz w/ moderate spodumene	Stephen Greiner
FLDD001	71.5	72.2	0.7	R413029		A coarse grained section rich in kspar/quartz w/ moderate spodumene at contact w/ metavolcanics.	Stephen Greiner
FLDD001				R413030	Standard		Stephen Greiner
FLDD001				R413031	Blank		Stephen Greiner
FLDD001	72.2	73.2	1	R413032		Shoulder sample from pegmatite w/ in metavolcanics	Stephen Greiner

Drillhole ID	Easting (NAD83_Z16)	Northing (NAD83_Z16)	Elevation (m)	Core Size	Drilling Company	Azimuth	Dip	Total Depth (m)	Date commenced	Date completed	Date Logged	Logged By	Overburden depth	Location of Core Storage
FLDD002	418433	5591963	356	NQ	Chibougamau Diamond Drilling Ltd	300	-45	111	17/06/2016	18/06/2016	21/06/2016	Stephen Greiner	6	Falcon Lake

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD002	0	6	Overburden	OB										
FLDD002	6	35	Mafic Metavolcanics	MV	Strongly foliated quartz-chlorite altered mafic metavolcanics. Weak carbonate alteration along some foliation planes. Rare intermittent foliations hosting hematite alteration. Trace pyrite and pyrrhotite occur in some localities. On average the foliation is roughly 30 degrees to the core access.	Dark green							Qtz/chl/hem	py/po
FLDD002	35	37.1	Pegmatite	PEG	A very coarse grained to pegmatitic dyke. The dyke is quartz and albite rich with weak kspar. Spodumene is moderate in concentration at about 25% to 30%. Spodumene is a very light green with grain size ranging from 0.5cm to 3+cm. Fine grained trace amounts of a bluish/green mineral (Holmsquisite?) is sometimes seen along spodumene rims. Spodumene seems to have a preferential orientation moderately oblique to the core axis. Spodumene also concentrates more in the center and towards the footwall, however does not occur directly along the contact of the footwall.	Grey-white-light green	30	40	30	0	<1	<1		Spodumene/ Holmsquisite?
FLDD002	37.1	40.2	Metavolcanics	MV	Strongly foliated mafic metavolcanics with quartz-chlorite-weak carb alteration. Foliation is roughly 35 degrees to core axis. Weak pyrite/pyhrotite along some foliation and fracture planes.	Dark green							Qtz/chl/carb	py/po
FLDD002	40.2	42.8	Pegmatite	PEG	A section just below the foot wall which is more quartz/albite rich. Tourmaline occurs along the contact. Grain size ranges from 1cm to 3+ cm. The section here has variable spodumene and appears to show some internal flow banding. The flow appears to be a secondary quartz pulse situated after the smokey quartz formed. The smokey quartz again forms more insitu with spodumene and albite. Weak potassic alteration is seen w/ in some of the more promenant flow banding.	White-light green-grey	25	55	15	5	<1	<1	kspar	Spodumene
FLDD002	42.8	50.2	Pegmatite	PEG	A section of the dyke running down to the foot wall which is more spodumene/kspar rich. The section does not show the clear quartz banding as seen above and consists mainly of smokey quartz. The grain size ranges from very coarse grained to megacrystic. Spodumene occurs as 1cm to 10cm crystals and again in association w/ smokey quartz along the grain boundaries. kspar exists as very coarse grained to megacrystic. A small section from 48.5 to 48.7 shows strong iron oxidation and appears to have some fine grained tantalite. The lower contact shows weak chlorite alteration into the footwall.	Pin-grey-light green	5	40	20	35	<1	<1	kspar	Spodumene/Tantalite
FLDD002	50.2	58.2	Mafic Metavolcanics	MV	Quartz-chlorite altered mafic volcanics. Previous logs have defined this unit as a basalt. The section here is far less deformed than the headwall however still shows a similar foliation. Foliation strength decreases away from the contact of the pegmatite. The medium grained sections are chlorite and ampibole rich. Trace pyrite and pyrhotite occur along weak quartz veins. The unit is moerately magnetic.	Green							chl	py/po/mag
FLDD002	58.2	58.8	Quartz vein	VQZ	A irregular quartz tourmaline vein occurs within the metavolcanics slightly breciating the host. Albite and phyrotite occur along the contact.	white								po
FLDD002	58.2	67.7	Mafic Metavolcanics	MV	Quartz-chlorite altered mafic volcanics the same as interval 50.2 to 58.8. Again a weak foliation is present but is far less than the upper units. The unit is moderately magnetic.	green							chl	py/po/mag
FLDD002	67.7	68.5	Mafic Intrusive	MI	A very fine grained mafic dyke.									
FLDD002	68.5	69.7	Metavolcanics	MV	Fine grained, quartz-chlorite altered mafic metavolcanic. The same as the previous, less deformed units. Foliation strength increases downhole towards a bull quartz vein contact.	green							qtz/chl	py
FLDD002	69.7	71.6	Quarts vein	VQZ	A large quartz vein occurs along foliation. Chlorite-pyrite-tourmaline-other amphiboles occurs along the contacts with the metavolcanics.	white								py
FLDD002	71.6	81.45	Mafic Metavolcanics	MV	Strongly foliated mafic metavolcanics with multiple small quarts veins along foliation hosting pyrite mineralization at roughly 3 % of vein. Less frequent carbonate veining occurs again along foliation and hosts trace pyrite.	Dark green							qtz/chl	py
FLDD002	81.45	82	Pegmatite	PEG	A small very coarse grained to pegmatitic vein. Vein is quartz/albite rich with weak to moderate kspar alteration. Spodumene content is roughly 15%. The headwall contact cuts foliation at roughly 20 degrees and is at roughly 50 degrees to the core access. The footwall contact follows foliation an has a two cm alteration halo. The headwall contact has a much smaller alteration halo of 0.5cm w/ fg tourmaline occuring along the contact.	Grey-green-white-pink	25	40	15	20	<1	<1	potassic	spodumene
FLDD002	82	83.7	Mafic Metavolcanics	MV	Moderately foliatiated mafic metavolcanics w/ small quartz veining along foliation. A small quartz/kspar vein seems to have pushed through roughly along foliation which is then crosscut by the dyke above.								qtz/chl	
FLDD002	83.7	89.9	Pegmatite	PEG	The first half of the dyke from the headwall. The section of the dye here is generally very coarse grained to megacrystic. Again zoning is seen w/ spodumene forming more in association w/ smokey quartz along its grain boundaries. Large kspar zones are often relatively void of spodumene. Trace oxides do seem present but are difficuly to discern.	grey-green-pink	10	30	15	45	<1	<1	potassic	spodumene
FLDD002	89.9	92.5	Pegmatite	PEG	The section here runs down to the footwall and is similar to some sections seen in FLDD-001 in which the grain size on average is smaller and is weaker in kspar alteration. Again smokey quartz occurs in association w/ spodumene and occurs along its grain boundaries, however in these sections the grain size of quartz and spodumene is dominantly coarse to very coarse (0.5cm to 2cm) where albite and kspar are very coarse to megacrystic. Again the spodumene is zoned away from the kspar. Overall, however the dyke is relativlely homogeneous. Note both upper and lower contacts are vey sharp with little alteration in to the host. Both cut foliation.	green-grey-pink-white	5	40	30	25	<1	<1	potassic	Spodumene/ tantalite/other oxides
FLDD002	92.5	95.4	Mafic Metavolcanics	MV	Strongly foliated,. Qtz/chl altered mafic metavolcanics w/ quartz veining occuring along foliation. Some boudinage seen at								qtz/chl	
FLDD002	95.4	98.6	Pegmatite	PEG	The first half of this dyke varies from the lower half in its kspar:spodumene ratio. Overall this section is very coarse grained w/ spodumene occuring in a range of 0.5cm to 5cm. Here the spodumene is rimmed for the most part by smokey quartz however it is also often adjacent to kspar. The colour of the spodumene is a much darker green than those seen in the lower half. kspar:spodumene is roughly 4:1.	Dark-grey-pink	5	20	15	60	<1	<1	potassic	spodumene
FLDD002	98.6	101.8	Pegmatite	PEG	The lower half of this dyke is more kspar poor and spodumene rich. Similar to the lower section of the dyke above, the grainsize is generally smaller w/ spodumene completely rimmed w/ smokey quartz. The colour of the spodumene is white w/ a bluish/green alteration halo around its rims. Kspar is seeming to be segregating/neucleating out into separate zones. Kspar:spodumene is closer to 2:1 The lower contact is not seen here because the dyke is cut by what appears to be a late diabase sill.	Light green-blue-pink-grey	10	40	15	35	<1	<1	potassic/other	spodumene

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD002	101.8	107.65	Diabase	DB	A late, massive, diabase sill crosscuts the pegmatite dyke. A clear very fine grained cill margin is present and the sill grades to medium grained downhole. The composition is gabbroic.	grey-black								
FLDD002	107.65	107.8	Aplite	APL	A small aplite vein cuts the diabase and is kspar rich. Upper contact is sharp where lower contact is irregular. Most likely is a zenolith from the pegmatite which is highly altered.	Pink		10		90			potassic	
FLDD002	107.8	108	Diabase	DB	Massive diabase	grey-black								
FLDD002	108	108.3	Aplite	APL	A small aplite vein cuts the diabase and is kspar rich. Upper contact is sharp where lower contact is irregular. Most likely is a zenolith from the pegmatite which is highly altered.	pink-green								
FLDD002	108.3	111	Massive diabase	DB	Massive diabase	grey-black								

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD002	34	35	1	R413039		Shoulder sample of headwall in contact with small pegmatitic dyke	Stephen Greiner
FLDD002	35	35.6	0.6	R413040		Zoned section of dyke poor in spodumene content	Stephen Greiner
FLDD002	35.6	36.2	0.8	R413041		First half of spodumene rich zone of pegmatite.	Stephen Greiner
FLDD002	36.2	37.1	0.9	R413042		Second half of spodumene rich zone of pegmatite including a small spodumene void section along contact to footwall.	Stephen Greiner
FLDD002	37.1	38.1	1	R413043		Shoulder sample into foot wall.	Stephen Greiner
FLDD002	38.1	39.1	1	R413044		Sampling through metavolcanics	Stephen Greiner
FLDD002	39.1	40.2	1.1	R413045		Shoulder sample of headwall above another pegmatitic dyke.	Stephen Greiner
FLDD002	40.2	41.1	0.9	R413046		Sample directly adjacent to foot wall containing the quartz flow banding.	Stephen Greiner
FLDD002	41.1	42	0.9	R413047		Sample containing the quartz flow banding	Stephen Greiner
FLDD002	42	42.8	0.8	R413048		Sample containing the quartz flow banding	Stephen Greiner
FLDD002	42.8	43.8	1	R413049		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002			1	R413050	Standard		Stephen Greiner
FLDD002			1	R413051	Blank		Stephen Greiner
FLDD002	43.8	44.8	1	R413052		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002	44.8	45.8	1	R413053		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002	45.8	46.8	1	R413054		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002	46.8	47.8	1	R413055		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002	47.8	48.8	1	R413056		The section with a small zone of what appears to be tantalite rich. Still very similar to the previous.	Stephen Greiner
FLDD002	48.8	49.8	1	R413057		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002	49.8	50.5	0.7	R413058		The more homogeneous section of the dyke.	Stephen Greiner
FLDD002	50.5	51.2	0.7	R413059		The section in contact with the footwall.	Stephen Greiner
FLDD002	51.2	52.2	1	R413060		Shoulder sample of the footwall	Stephen Greiner
FLDD002	80.4	81.4	1	R413061		Shoulder sample of headwall	Stephen Greiner
FLDD002	81.4	82	0.6	R413062		Small PEG dyke	Stephen Greiner
FLDD002	82	82.9	0.9	R413063		metavolcanics inbetween two PEG's	Stephen Greiner
FLDD002	82.9	83.7	0.9	R413064		metavolcanics inbetween two PEG's	Stephen Greiner
FLDD002	83.7	84.7	1	R413065		more spodumene rich section	Stephen Greiner
FLDD002	84.7	85.4	0.7	R413066		kspar rich section	Stephen Greiner
FLDD002	85.4	86.4	1	R413067		Spodumene rich section	Stephen Greiner
FLDD002	86.4	87.4	1	R413068		kspar rich section	Stephen Greiner
FLDD002	87.4	88.4	1	R413069		kspar rich section	Stephen Greiner
FLDD002				R413070	Standard		Stephen Greiner
FLDD002				R413071	Blank		Stephen Greiner
FLDD002	88.4	89.4	1	R413072		kspar rich section	Stephen Greiner
FLDD002	89.4	89.9	0.5	R413073		End of section identified in litho log	Stephen Greiner
FLDD002	89.9	90.9	1	R413074		Start of zone identified in litho log	Stephen Greiner
FLDD002	90.9	91.9		R413075		Sample through PEG	Stephen Greiner
FLDD002	91.9	92.5	1	R413076		End of PEG to contact w/ MV	Stephen Greiner
FLDD002	92.5	93.5	1	R413077		Shoulder into footwall	Stephen Greiner
FLDD002	93.5	94.5	1	R413078		MV's	Stephen Greiner
FLDD002	94.5	95.4	0.9	R413079		Shoulder into headwall.	Stephen Greiner
FLDD002	95.4	96.4	1	R413080		higher kspar to spodumene ratio	Stephen Greiner
FLDD002	96.4	97.4	1	R413081		higher kspar to spodumene ratio	Stephen Greiner
FLDD002	97.4	98.6	1.2	R413082		End of zoned PEG section identified in litho log.	Stephen Greiner
FLDD002	98.6	99.6	1	R413083		lower kspar to spodumene ratio	Stephen Greiner
FLDD002	99.6	100.6	1	R413084		lower kspar to spodumene ratio	Stephen Greiner
FLDD002	100.6	101.8	1.2	R413085		lower kspar to spodumene ratio	Stephen Greiner
FLDD002	101.8	102.8	1	R413086		shouler sample into diabase	Stephen Greiner

Drillhole ID	Easting (NAD83_Z16)	Northing (NAD83_Z16)	Elevation (m)	Core Size	Drilling Company	Azimuth	Dip	Total Depth (m)	Date commenced	Date completed	Date Logged	Logged By	Overburden depth	Location of Core Storage
FLDD003	**418394**	**5591944**	**358**	**NQ**	**Chibougamau Diamond Drilling Ltd**	**300**	**-50**	**96**	**18/06/2016**	**19/06/2016**	**23/06/2016**	**Stephen Greiner**	**3**	**Falcon Lake**

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD003	0	3	Overburden	OB										
FLDD003	3	11	Mafic Metavolcanics	MV	Very strongly foliated mafic metavolcanics with strong biotite banding (0.1cm to 1.5cm thick) forming a biotite schist. Some bands are starting to show small 1-2mm garets implying amphibolite facies. Weak quartz veining (0.1-0.3mm) occurs both along foliation and crosscutting.	dark green-brown							chl-biotite	
FLDD003	11	11.3	Quartz Feldspar Vein	VQF	A small 0.3 cm quartz-feldspar vein hosting both clear an smokey quartz w/ minow amounts of albite. The contacts are relatively clean and cut foliation at about 30 degrees. A very small alteration halo (0.2mm) is seen on the lower contact. One small (0.5cm) spodumene crystal is present.	grey-white	10	90	<1	0	<1	<1		
FLDD003	11.3	14.3	Mafic Metavolcanics	MV	Very strongly foliated mafic metavolcanics with strong biotite banding (0.1cm to 1.5cm thick) forming a biotite schist. Some bands are starting to show small 1-2mm garets implying amphibolite facies. Weak quartz veining (0.1-0.3mm) occurs both along foliation and crosscutting.	Dark green-brown							chl-biotite	
FLDD003	14.3	15.9	Quartz Feldspar Vein	VQF	A small 1.8m quartz feldspar vein w/ coarse grained spodumene near the footwall contact and trace medium grained blue holmsquisite w/ in the quartz rich section towards the mid dyke to upper contact. Possible flow banding in the upper quartz rich zone noticable by the orientation of smoey quartz. Spodumene seems to settle near the lower contact again rimmed by smokey quartz.	White-grey-green-blue	5	85	10	0	<1	<1		Spodumene/ holmsquisite
FLDD003	15.9	17.4	Mafic Metavolcanics	MV	Very strongly foliated mafic metavolcanics with strong biotite banding (0.1cm to 1cm thick) forming a biotite schist. Some bands are starting to show small 1-2mm garets implying amphibolite facies. Weak quartz veining (0.1-0.3mm) occurs both along foliation and crosscutting.	Dark green-brown							chl-biotite	
FLDD003	17.4	17.7	Quartz Vein	VQZ	A small 0.3cm smokey quartz vein w/ moderate muscovite. Contacts are fairly irregular again with a small (.1-.2cm) alteration halo and cut foliation at roughly 10 degrees.	Grey	0	90	0	0	10			
FLDD003	17.7	26.4	Mafic Metavolcanics	MV	Very strongly foliated mafic metavolcanics with moderate biotite banding (0.1cm 0.75cm thick) forming a biotite-chlorite schist. Foliation dip decreases from the top of section towards the pegmatite contact changing from roughly 18 degrees to core axis to roughly 30+ degrees to core axis. The lower section does not have the biotite rich banding. 10+ cm Quartz/smokey quartz veins occur at 23.1m, 23.7m and 23m	dark green-brown							chl-biotite	
FLDD003	26.4	31.6	Pegmatite	PEG	A relatively homogeneous 5.2m pegmatitic dyke only seeming to vary in grain size. Grain size grades from very coarse grain towards the contact to megacrystic in the center. One spodumene crystal is seen at 19cm x 1.5cm.kspar alteration is very weak throughout however does seem to be more in association w/ the finer grained material towards the contacts. Contacts are irregular at the headwall and sharp at the footwall. Both cut foliation. Spodumene is the lighter green and as usual is rimmed by smokey quartz.	Light gree-grey-white-pink	10	40	30	20	<1	<1	potassic	Spodumene
FLDD003	31.6	35	Mafic Metavolcanics	MV	Moderately foliated mafic metavolcanics. Quartz-chlorite altered unit w/ no biotite and roughly 30+ degree foliation angle to core axis. Very weak quartz veining along foliation in this section.	Dark green							qtz-chl	
FLDD003	35	36.9	Pegmatite	PEG	Quartz rich pegmatite w/ minor spoumene. Spodumene crystals range from 0.5 to 3cm. Trace fine grained holmsquisite is proximal to the spodumene. A zenolith occurs from 35.5 to 35.8.	Light green-grey-white	<1	80	15	0	5			Spodumene/ holmsquisite
FLDD003	36.9	42	Mafic Metavolcanics	MV	Strongly foliated quartz/chlorite altered mafic volcanics w/ quartz veining along foliation.	Dark green							qtz-chl	
FLDD003	42	44.4	Pegmatite	PEG	A coarse grained to megacrystic pegmatite which is spodumene/smokey quartz rich from the headwall down to 44.2 meters. Upper contact is sharp altered zenolith is seen at 44.2. A highly altered zenolith exists at 44.2	Green-grey	25	40	25	10	<1	<1	potassic	Spodumene
FLDD003	44.4	47.9	Pegmatite	PEG	Zoned unit of pegmatite which iskspar rich/spodumene poor. Lower contact is irregular w/ a 3cm alteration halo.	Green-grey-pink	15	25	10	60	<1	<1	potassic	spodumene
FLDD003	47.9	58.48	Mafic Metavolcanics	MV	Strongly foliated and quartz/chlorite altered metavolcanics. Foliation runs nearly parallel to core axis. Occasional sections of biotite banding are present.	Dark green							qtz-chl	
FLDD003	58.48	59	Mafic dyke	MI	A very fine grained mafic dyke w/ a very small (0.2cm) alteration halo into the host.	Black								
FLDD003	59	70.8	Mafic Volcanics	MV	Strongly foliated mafic volcanics w/ foliation nearly parallel to core axis. A couple small mafic dykes occur at 58.7 and 61.25. Biotite banding is seen in some locations. Another mafic dipping almost parallel to foliation is seen from 63.1 to 64.72. Two quartz veins also nearly parallel to core axis occur at 64.3 and 67.	Dark green							qtz-chl	
FLDD003	70.8	71.4	Pegmatite	PEG	A kspar rich very coarse grained zone rich in kspar and reletivelt void of spodumene. The zone here is in contact w/ the headwall. Weak alteration halo seen on the contact	Pink-grey	10	25	<1	65	<1	<1	potassic	Spodumene
FLDD003	71.4	76.36	Pegmatite	PEG	A section moving down from the kspar zone, richer in spodumene and quartz. Again grainsize is very coarse grained to megacrystic. Spodumene grows in clusters rimmed by smokey quartz where kspar forms reletively separate.	Pink-dark green-grey	15	25	35	25	<1	<1	potassic	Spodumene
FLDD003	76.36	78.5	Pegmatite	PEG	zoned unit of pegmatite which iskspar rich/spodumene poor. Lower contact is irregular w/ a 3cm alteration halo.	Pink-grey	5	15	<1	80	<1	<1	potassic	
FLDD003	78.5	84.9	Mafic Metavolcanics	MV	Strongle foliated, qtz-chlorite altered metavolcanics. Quartz veins both along foliation and cross cutting. In some areas the quartz is beginning to brecciate the host (see 84.2m)	Dark green							qtz-chl	
FLDD003	84.9	85.2	Quartz Feldspar Vein	VQF	a kspar rich VQF w/ strong alteration halo's at both contacts. A green clasts exists probably assimilated from the host.	Pink-grey-green	5	15	0	70		10	potassic	
FLDD003	85.2	90.6	Mafic Metavolcanics	MV	Strongle foliated, qtz-chlorite altered metavolcanics. Qyartz veining occurs along foliation. Some weak biotite bands	Dark green							qtz-chl-biotite	
FLDD003	90.6	96	Diabase	DB	A fine grained to medium grained diabase w/ a clear very fine grained chill. The top of the diabase holds multiple granitic zenoliths.	Black								

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD003	10	11	1	R413087		Shoulder sample headwall. Biotite Rich metavolcanics	Stephen Greiner
FLDD003	11	11.3	0.3	R413088		Smokey quartz rich VQF	Stephen Greiner
FLDD003	11.3	12.3	1	R413089		Shoulder sample footwall. Biotite Rich metavolcanics	Stephen Greiner
FLDD003			0	R413090	Standard		Stephen Greiner
FLDD003			0	R413091	Blank		Stephen Greiner
FLDD003	12.3	13.3	1	R413092		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	13.3	14.3	1	R413093		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	14.3	14.7	0.4	R413094		Shoulder sample of headwall to VQF	Stephen Greiner
FLDD003	14.7	15.3	0.6	R413095		VQF/Holmsquisite/contact upper	Stephen Greiner
FLDD003	15.3	15.9	0.6	R413096		VQF/Spodumene/contact lower	Stephen Greiner
FLDD003	15.9	16.6	0.7	R413097		Footwall shoulder sample	Stephen Greiner
FLDD003	16.6	17.4	0.8	R413098		Sample through to another small VQF	Stephen Greiner
FLDD003	17.4	17.7	0.3	R413099		Small VQF	Stephen Greiner
FLDD003	17.7	18.7	1	R413100		footwall shoulder sample of small VQF	Stephen Greiner
FLDD003	18.7	19.7	1	R413101		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	19.7	20.7	1	R413102		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	20.7	21.7	1	R413103		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	21.7	22.7	1	R413104		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	22.7	23.7	1	R413105		Biotite rich metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	23.7	24.7	1	R413106		Biotite poor metavolcanics w/ 2 small (20cm) VQZ vein/dykes.	Stephen Greiner
FLDD003	24.7	25.7	1	R413107		Biotite poor metavolcanics. Sampling through to next dyke.	Stephen Greiner
FLDD003	25.7	26.4	0.7	R413108		Shoulder sample of headwall to pegmatite dyke	Stephen Greiner
FLDD003	26.4	27.4	1	R413109		Upper contact	Stephen Greiner
FLDD003			0	R413110	Standard		Stephen Greiner
FLDD003			0	R413111	Blank		Stephen Greiner
FLDD003	27.4	28.4	1	R413112		PEG	Stephen Greiner
FLDD003	28.4	29.4	1	R413113		PEG	Stephen Greiner
FLDD003	29.4	30.5	1.1	R413114		PEG	Stephen Greiner
FLDD003	30.5	31.6	1.1	R413115		Lower contact	Stephen Greiner
FLDD003	31.6	32.6	1	R413116		Shoulder sample of footwall	Stephen Greiner
FLDD003	32.6	33.6	1	R413117		Sample through MV's	Stephen Greiner
FLDD003	33.6	34.6	1	R413118		Sample through MV's	Stephen Greiner
FLDD003	34.6	35	0.4	R413119		Shoulder sample of headwall	Stephen Greiner
FLDD003	35	35.5	0.5	R413120		pegmatite/upper contact	Stephen Greiner
FLDD003	35.5	35.8	0.3	R413121		MV zenolith	Stephen Greiner
FLDD003	35.8	36.9	1.1	R413122		PEG	Stephen Greiner
FLDD003	36.9	37.9	1	R413123		Shoulder of footwall	Stephen Greiner
FLDD003	37.9	38.9	1	R413124		Sampling through MV's	Stephen Greiner
FLDD003	38.9	39.9	1	R413125		Sampling through MV's	Stephen Greiner
FLDD003	39.9	40.9	1	R413126		Sampling through MV's	Stephen Greiner
FLDD003	40.9	42	1.1	R413127		Shoulder of headwall	Stephen Greiner
FLDD003	42	43	1	R413128		PEG/upper contact/Sppodumene rich	Stephen Greiner
FLDD003	43	44	1	R413129		PEG/Spodumene rich	Stephen Greiner
FLDD003			0	R413130	Standard		Stephen Greiner
FLDD003			0	R413131	Blank		Stephen Greiner
FLDD003	44	45	1	R413132		PEG/kspar rich	Stephen Greiner
FLDD003	45	46	1	R413133		PEG/kspar rich	Stephen Greiner
FLDD003	46	47	1	R413134		PEG/kspar rich	Stephen Greiner
FLDD003	47	48	1	R413135		PEG/kspar rich	Stephen Greiner
FLDD003	48	49	1	R413136		Shoulder sample of footwall	Stephen Greiner
FLDD003	69.8	70.8	1	R413137		Shoulder sample of headwall	Stephen Greiner
FLDD003	70.8	71.4	0.6	R413138		Sample of kspar rich zone from the headwall	Stephen Greiner

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD003	71.4	72.4	1	R413139		Sample of spodumene rich zone	Stephen Greiner
FLDD003	72.4	73.4	1	R413140		Sample of spodumene rich zone	Stephen Greiner
FLDD003	73.4	74.4	1	R413141		Sample of spodumene rich zone	Stephen Greiner
FLDD003	74.4	75.4	1	R413142		Sample of spodumene rich zone	Stephen Greiner
FLDD003	75.4	76.4	1	R413143		Sample of spodumene rich zone	Stephen Greiner
FLDD003	76.4	77.4	1	R413144		Sample of kspar rich zone	Stephen Greiner
FLDD003	77.4	78.5	1.1	R413145		Sample of kspar rich zone to the footwall	Stephen Greiner
FLDD003	78.5	79.5	1	R413146		Shoulder into the footwall.	Stephen Greiner

Drillhole ID	Easting (NAD83_Z16)	Northing (NAD83_Z16)	Elevation (m)	Core Size	Drilling Company	Azimuth	Dip	Total Depth (m)	Date commenced	Date completed	Date Logged	Logged By	Overburden depth	Location of Core Storage
FLDD004	418413	5591931	359	NQ	Chibougamau Diamond Drilling Ltd	300	-45	111	19/06/2016	20/06/2016	25/06/2016	Stephen Greiner	3	Falcon Lake

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD004	0	3	Overburden	OB										
FLDD004	3	26.5	Mafic Metavolcanics	MV	Highly deformed, qtz/chlorite/biotite altered mafic metavolcanics.Quartz veining is seen at 12.1m and 15.2m. Strong biotite banding occurs through up to around 24m. Two units w/ fine grained to coarse grained garnets occur from 14.6m to 15.1m and from 20m to 21.9m. The top of this unit shows more quartz flooding than the bottom. Fine grained pyrite and pyrhotite occur along both fracture planes and along some foliation planes. A small, slightly brecciated quartz vein elevated in pyhrotite occurs at 19.6m. A small fold hinge is seen at 9.9m.	Dark green-brown							qtz-chl-biotite	py/po
FLDD004	26.5	27.5	Pegmatite	PEG	A small quartz rich pegmatite dyke w/ minor spodumene near the footwall contact. The quartz rich zone hole disseminated, blue holmsquisite. Both contacts are fairly sharp w/ a weak (0.1 to 0.3 cm) alteration halo.	White-grey-green	<1	85	10	0	5	<1		Holmsquisite
FLDD004	27.5	43.4	Mafic Metavolcanics	MV	Quartz/chlorite/biotite altered mafic metavolcanics. Weak to moderate biotite banding is seen from 18.8m to 32m and from 42.5m to 43.4m. A moderate sized (5cm) quartz vein occurs along foliation at 31.5m. Weak pyrhotite (~1%) often occur disseminated w/ in the bands.	Dark green-brown							qtz-chl-biotite	po
FLDD004	43.4	43.7	Quarts Feldspar Vein	VQF	A small (30cm) VQF occurs cutting foliation. No Spodumene. Not sampled. Both upper and lower contacts show a roughly 1cm chloritized alteration halo.	White-grey-green	20	80	0	<1	0	<1		
FLDD004	43.7	49.7	Mafic Metavolcanics	MV	Quarts-chlorite-biotite altered mafic metavolcanics. Strong foliation and biotite banding occuring intermittently throughout again w/ pyrhotite mineralization occuring along bands. Chalcopyrite is also seen seen in some bands and fracture planes. A 5cm smokey quartz vein occurs at 48.3m cutting foliation (See structure log) and other small intermittent veins occur throughout along foliation.	Dark green-brown							qtz-chl-biotite	po/cpy
FLDD004	49.7	50.5	pegmatite	PEG	A small (0.8m) spodumene bearing pegmatite dyke. Spodumene formation is centered in the dyke and is more quartz rich along both contacts. Upper contact is fairly sharp and the lower contact is irregular. The footwall contact shows a larger alteration halo then the headwall contact. Trace holmsquisite and tourmaline is seen in quartz rich sections towards the contacts. Grainsize is very coarse (1 to 5 cm). Spodumene seems to orientate nearly parallel to core axis.	light green-grey-white	15	70	15	<1	0	<1		spodumene/ Holmsquisite
FLDD004	50.5	55	Mafic Metavolcanics	MV	Quartz-chlorite-biotite altered mafic metavolcanics. Banding seen intermittently throughout down to a pegmatite contact. Again bands show weak po/cpy mineralization.	Dark green-brown								po/cpy
FLDD004	55	59.5	Pegmatite	PEG	A spar rich pegmatite dyke. The dyke is relatively homogeneous w/ weak spodumene poor zonations near both upper and lower contacts. Again spodumene forms in association w/ quartz/smokey quartz and is coarse grained to very coarse grained (0.5 to 4 cm). Upper contact is irregular and lower contact is sharp both cutting foliation. Upper contact shows a moderate (2cm) alteration halo.	Pink-green-grey	10	30	30	30	<1	<1	potassic	Spodumene
FLDD004	59.5	64.6	Mafic Metavolcanics	MV	Strongly foliated, quartz/chlorite/biotite altered mafic metavolcanics. Biotite banding occurs only proximal to the contact w/ the above pegmatite. A small quartz/smokey quartz breccia occurs at 64.2m. Again weak po mineralization occurs w/ in biotite bands.	Dark green							qtz-chl-biotite	po
FLDD004	64.6	65.2	Pegmatite	PEG	Another small (0.6 m) pegmatite dyke occurs cutting foliation w/ strong alteration halo into the host lithology. Both contact are reletively sharp and cut foliation. Spodumene mineralization tends to zone more towards the upper contact. Note no orientation.	Pink-green-white-grey	35	30	20	15	<1	<1	potassic	Spodumene
FLDD004	65.2	66.4	Mafic Metavolcanics	MV	Quartz/chlorite altered mafic metavolcanics.	Dark green								
FLDD004	66.4	67	Mafic intrusive	MI	A very fine grained mafic dyke cutting foliation.	Black								
FLDD004	67	68	Mafic Metavolcanics	MV	Quartz/chlorite altered mafic metavolcanics.	Dark green								
FLDD004	68	74.2	Pegmatite	PEG	A kspar rich pegmatite cutting foliation w/ a sharp upper contact and irregular lower contact. Both contacts show a moderate alteration halo.Again kspar/albite zones away from the Spodumene/smokey quartz. Possible flow banding is seen around 69.6. A small, very fine grained mafic dyke occurs from 68.7 to 68.9. Spodumene zones away from the lower contact. Spodumene is very coarse grained to megacrystic.	Pink-green-grey	10	25	30	35	<1	<1	potassic	Spodumene
FLDD004	74.2	81	Mafic Metavolcanics	MV	A very strongly foliated mafic metavolcanis w/ what appears to be an aplite pushing through foliation. In some areas the aplite begins to brecciate the host volcanics. The aplite is relatively early and is foliated along with the metavolcanics. Much of the metavolcanics are extremely chloritized possibly indicating an early breccia before deformarion. Biotite banding still exists again hosting po/cpy mineralization. The highly chloritize zoned also host py/po mineralization.	Dark green-brown-white-pink							qtz-chl-biotite-potassic	py/po/cpy
FLDD004	81	87	Mafic Metavolcanics	MV	A weak to moderatly foliated, fine grained section of mafic volcanics. The section here is far more competent and only shows weak fluids running through. Probably a basalt layer. Weakly chloritized.	dark green-black								
FLDD004	87	95.2	Aplite	APL	Strongly foliated aplite showing an irregular contact w/ the upper basaltic unit. A deformed zenolith is seen at 87.4 to 88..ish. Late quartz veins cut the aplite roughly along foliation at 91, 91.1, 91.8, 93.1, 93.3 and 94.8. A small kspar rich VQF cuts foliation at 88.8 (no strong alteration halo).	Dark green-pink							potassic	
FLDD004	95.2	100	Pegmatite	PEG	A kspar rich spodumene bearing pegmatite. The dyke shows the usual zonation of spodumene poor/feldspar rich zones proximal to the headwall contact as well as zonation between the spodumene/smokey quartz and albite/kspar. Overall grainsize is very coarse grained to megacrystic. Upper contact is very irregular and lower contact is not seen due to a late diabase sill/dyke. Another small mate mafic dyke is seen from 98.9 to 99.5. Medium grained tourmaline is seen disseminated throughout.	Green-grey-pink	10	25	25	40	<1	<1	potassic	spodumene
FLDD004	100	111	Diabase	DB	A late diabase sill showing a clear chill margin and grain size variation grading from very fine grained to medium grained away from its contact w/ the PEG.	Black								

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD004	25.5	26.5	1	R413147		Shoulder into headwall	Stephen Greiner
FLDD004	26.5	27.5	1	R413148		Small spodumene poor PEG	Stephen Greiner
FLDD004	27.5	28.5	1	R413149		Shoulder into footwall	Stephen Greiner
FLDD004			0	R413150	Standard		Stephen Greiner
FLDD004			0	R413151	Blank		Stephen Greiner
FLDD004	48.7	49.7	1	R413152		Headwall shoulder sample of small PEG dyke	Stephen Greiner
FLDD004	49.7	50.5	0.8	R413153		PEG dyke	Stephen Greiner
FLDD004	50.5	51.5	1	R413154		Footwall shoulder sample of small PEG dyke.	Stephen Greiner
FLDD004	51.5	52.5	1	R413155		Sampling through to next PEG	Stephen Greiner
FLDD004	52.5	53.5	1	R413156		Sampling through to next PEG	Stephen Greiner
FLDD004	53.5	54.5	1	R413157		Sampling through to next PEG	Stephen Greiner
FLDD004	54.5	55.05	0.55	R413158		Headwall/shoulder sample	Stephen Greiner
FLDD004	55.05	56.05	1	R413159		PEG/upper contact	Stephen Greiner
FLDD004	56.05	57.05	1	R413160		Sample through PEG	Stephen Greiner
FLDD004	57.05	58.05	1	R413161		Sample through PEG	Stephen Greiner
FLDD004	58.05	58.8	0.75	R413162		Sample through PEG	Stephen Greiner
FLDD004	58.8	59.5	0.7	R413163		PEG/lower contact	Stephen Greiner
FLDD004	59.5	60.5	1	R413164		Footwall/shoulder sample	Stephen Greiner
FLDD004	60.5	61.5	1	R413165		Sampling through metavolcanics	Stephen Greiner
FLDD004	61.5	62.5	1	R413166		Sampling through metavolcanics	Stephen Greiner
FLDD004	62.5	63.5	1	R413167		Sampling through metavolcanics	Stephen Greiner
FLDD004	63.5	64.6	1.1	R413168		Headwall/shoulder sample of small PEG	Stephen Greiner
FLDD004	64.6	65.2	0.6	R413169		Small PEG	Stephen Greiner
FLDD004			0	R413170	Standard		Stephen Greiner
FLDD004			0	R413171	Blank		Stephen Greiner
FLDD004	65.2	66.4	1.2	R413172		Footwall/shoulder sample of small PEG	Stephen Greiner
FLDD004	66.4	67	0.6	R413173		Mafic dyke	Stephen Greiner
FLDD004	67	68	1	R413174		Headwall/shoulder sample of next PEG	Stephen Greiner
FLDD004	68	68.6	0.6	R413175		Upper contact to mafic dyke	Stephen Greiner
FLDD004	68.6	68.9	0.3	R413176		mafic dyke	Stephen Greiner
FLDD004	68.9	69.9	1	R413177		kspar rich zone	Stephen Greiner
FLDD004	69.9	70.9	1	R413178		spodumene rich zone	Stephen Greiner
FLDD004	70.9	71.9	1	R413179		spodumene rich zone	Stephen Greiner
FLDD004	71.9	72.9	1	R413180		spodumene rich zone	Stephen Greiner
FLDD004	72.9	74.2	1.3	R413181		kspar rich zone to footwall contact	Stephen Greiner
FLDD004	74.2	75.2	1	R413182		Shoulder sample of footwall	Stephen Greiner
FLDD004	94.2	95.2	1	R413183		Shouler sample of headwall	Stephen Greiner
FLDD004	95.2	96.2	1	R413184		PEG dyke from upper contact/kspar rich zone	Stephen Greiner
FLDD004	96.2	97.2	1	R413185		spodumene rich zone	Stephen Greiner
FLDD004	97.2	98.2	1	R413186		Sampling through PEG	Stephen Greiner
FLDD004	98.2	98.9	0.7	R413187		Sampling through PEG	Stephen Greiner
FLDD004	98.9	99.5	0.6	R413188		Mafic dyke	Stephen Greiner
FLDD004	99.5	100	0.5	R413189		Sampling through PEG to lower contact	Stephen Greiner
FLDD004			0	R413190	Standard		Stephen Greiner
FLDD004			0	R413191	Blank		Stephen Greiner
FLDD004	100	101	1	R413192		Shoulder sample of footwall	Stephen Greiner

Drillhole ID	Easting (NAD83_Z16)	Northing (NAD83_Z16)	Elevation (m)	Core Size	Drilling Company	Azimuth	Dip	Total Depth (m)	Date commenced	Date completed	Date Logged	Logged By	Overburden depth	Location of Core Storage
FLDD005	418447	5592055	364	NQ	Chibougamau Diamond Drilling Ltd	300	-45	75	21/06/2016	22/06/2016	28/06/2016	Stephen Greiner	3	Falcon Lake

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD005	0	3	Overburden	OB										
FLDD005	3	55.7	Mafic Metavolcanics	MV	Fine grained, moderate to strongly foliated mafic metavolcanics. Foliation strength is slightly variable throughout. Strong quartz/carbonate flooding occurs from 31.2 to 36. Other segregated quartz veins occur roughly along foliation at 5.2, 6.9, 9, 19.6 23.6 and 45.8. Weak biotite banding is seen from 39.5 to 43 and from 51.5 to 53.1.	Dark green							Qtz-chl-carb	py/po
FLDD005	55.7	57.2	Pegmatite	PEG	A small 1.5 meter spodumene bearing pegmatitic dyke. Both upper and lower contacts are sharp, cut foliation and show a weak (1 to 3mm) alteration halo. Overall the dyke is albite rich w/ coarse grained to megacrystic spodumene. Medium grained tourmaline is disseminated throughout. As usual the spodumene is rimmed by smoey quartz. Both the upper and lower contacts show weak spodumene poor zonation. Coarse to very coarse grained muscovite is present in greater amounts than seen in most other PEG's and is zoned away from the spodumene rich sections.	Green-grey-white	40	35	15	5	5	<1		spodumene
FLDD005	57.2	75	Mafic Metavolcanics	PEG	Quartz/chlorite altered mafic metavolcanics. A continuation of the upper metavolcanics unit but differs in that it shows more quartz and quartz/carb veining. A large quartz/carb vein/breccia is seen around 62m. Multiple other quartz veins occur both along an cutting foliation. Another small quartz breccia is seen at 64.7. A fold hinge is seen at 64.3m.									py/po

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD005	54.7	55.7	1	R413193		Shoulder sample of headwall	Stephen Greiner
FLDD005	55.7	56.4	0.7	R413194		PEG dyke from upper contact to center.	Stephen Greiner
FLDD005	56.4	57.2	0.8	R413195		PEG dyke from center to lower contact.	Stephen Greiner
FLDD005	57.2	58.2	1	R413196		Shoulder sample of footwall	Stephen Greiner

Drillhole ID	Easting (NAD83_Z16)	Northing (NAD83_Z16)	Elevation (m)	Core Size	Drilling Company	Azimuth	Dip	Total Depth (m)	Date commenced	Date completed	Date Logged	Logged By	Overburden depth	Location of Core Storage
FLDD006	418367	5592002	358	NQ	Chibougamau Diamond Drilling Ltd	300	-45	60	20/06/2016	21/06/2016	27/06/2016	Stephen Greiner	3	Falcon Lake

DH_ID	FROM_M	TO_M	LITHOLOGY	Code	Description	Colour	Alb_%	Qtz_%	Spod_%	Kfel_%	Mica_%	Other	Alteration	Mineralisation
FLDD006	3	11.9	Mafic Metavolcanics	MV	Quartz-chlorite altered, moderately foliated volcanics. Quartz veining is seen intermittently along foliation.	Dark green							qtz-chl	
FLDD006	11.9	13.1	Pegmatite	PEG	A small (1.2m) spodumene bearing pegmatitic dyke. The lower contact is sharp w/ a small (0.5cm) alteration halo into the host. The dyke is quartz rich w/ weak albite and weak.Weak Spodumene forming in the center of the dyke.	green-grey-white	15	70	10	0	5	<1	muscovite	Spodumene
FLDD006	13.1	13.9	Mafic Metavolcanics	MV	Quartz-chlorite altered, moderately foliated volcanics. Quartz veining is seen intermittently along foliation.	Dark green							Qtz-chl	
FLDD006	13.9	20.4	Pegmatite	PEG	A kspar poor zone of a spodumene bearing pegmatite. The upper contact does not show any prominent zonation of aspodumene away from the headewall. The dyke does show intermittent sections of grain size variation w/quartz/spodumene rich, coarse to very coarse grained zones inbetween more albite rich/spodumene poor pegmatitic zones. Blue holsquisite and some other oxides are more noticable w/ in the albits zones.	Light gree-grey-white	20	40	35	0	5			Spodumene/ holmsquisite/ other oxides
FLDD006	20.4	34.3	Pegmatite	PEG	A more kspar rich section of the dyke moving down to the foot wall. Again The dyke does show intermittent sections of grain size variation w/quartz/spodumene rich, coarse to very coarse grained zones inbetween more kspar rich/spodumene poor pegmatitic to almost megacrystic zones. Late quartz rich flow banding seem apparent at 24.4, 28.8 and 31. Similar to the upper contact, the lower contact does not show a distinct, spodumene poor zonation. Again the footwall contact is reletively sharp, cuts foliation and shows a weak (0.5cm) alteration halo.	Light green-Pink-grey-white	10	30	25	30	5		potassic	Spodumene
FLDD006	34.3	60	Mafic Metavolcanics	MV	A strongly foliated, quartz/chlorite/carbonate altered mafic metavolcanics. Quartz/carb veins are intermittent throughout the entire zone and run along foliation. Minor pyrite / pyhrrotite mineralization occurs w/ in the quartz / carb veining.	Dark green							qtz-chl-carb	py/po

DH_ID	FROM_M	TO_M	Length_M	Sample_ID	STD_Blank_ID	Litho_Comments	Sampled By
FLDD006	10.9	11.9	1	R413197		Shoulder sample into headwall/ Note very rubbly/not terribly representative	Stephen Greiner
FLDD006	11.9	13.1	1.2	R413198		Small PEG dyke/spodumene poor	Stephen Greiner
FLDD006	13.1	13.9	0.8	R413199		Shoulder sample of footwall of upper dyke and shoulder sample of heawall of lower dyke.	Stephen Greiner
FLDD006	13.9	14.9	1	R413200		Sample from upper contact through albite rich spodumene bearing PEG	Stephen Greiner
FLDD006	14.9	15.9	1	R413201		Sampling through PEG/albite/spodumene rich zone	Stephen Greiner
FLDD006	15.9	16.9	1	R413202		Sampling through PEG/albite/spodumene rich zone	Stephen Greiner
FLDD006	16.9	17.9	1	R413203		Sampling through PEG/albite/spodumene rich zone	Stephen Greiner
FLDD006	17.9	18.9	1	R413204		Sampling through PEG/albite/spodumene rich zone	Stephen Greiner
FLDD006	18.9	19.6	0.7	R413205		Sampling through PEG/albite/spodumene rich zone	Stephen Greiner
FLDD006	19.6	20.4	0.8	R413206		Sampling through PEG/albite/spodumene rich zone	Stephen Greiner
FLDD006	20.4	21.4	1	R413207		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	21.4	22.4	1	R413208		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	22.4	23.4	1	R413209		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006			0	R413210	Standard		Stephen Greiner
FLDD006			0	R413211	Blank		Stephen Greiner
FLDD006	23.4	24.4	1	R413212		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	24.4	25.4	1	R413213		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	25.4	26.4	1	R413214		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	26.4	27.4	1	R413215		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	27.4	28.4	1	R413216		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	28.4	29.4	1	R413217		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	29.4	30.4	1	R413218		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	30.4	31.4	1	R413219		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	31.4	32.4	1	R413220		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	32.4	33.4	1	R413221		Sample of kspar rich, spodumene bearing zone.	Stephen Greiner
FLDD006	33.4	34.3	0.9	R413222		kspar rich zone down to footwall contact	Stephen Greiner
FLDD006	34.3	35.3	1	R413223		Shoulder sample of footwall.	Stephen Greiner
FLDD006	35.3	36.3	1	R413224		Continue into metavolcanics to check extent of potential leaching	Stephen Greiner
FLDD006	36.3	37.3	1	R413225		Continue into metavolcanics to check extent of potential leaching	Stephen Greiner
FLDD006	37.3	38.3	1	R413226		Continue into metavolcanics to check extent of potential leaching	Stephen Greiner
FLDD006	38.3	39.3	1	R413227		Continue into metavolcanics to check extent of potential leaching	Stephen Greiner

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Falcon Lake Area

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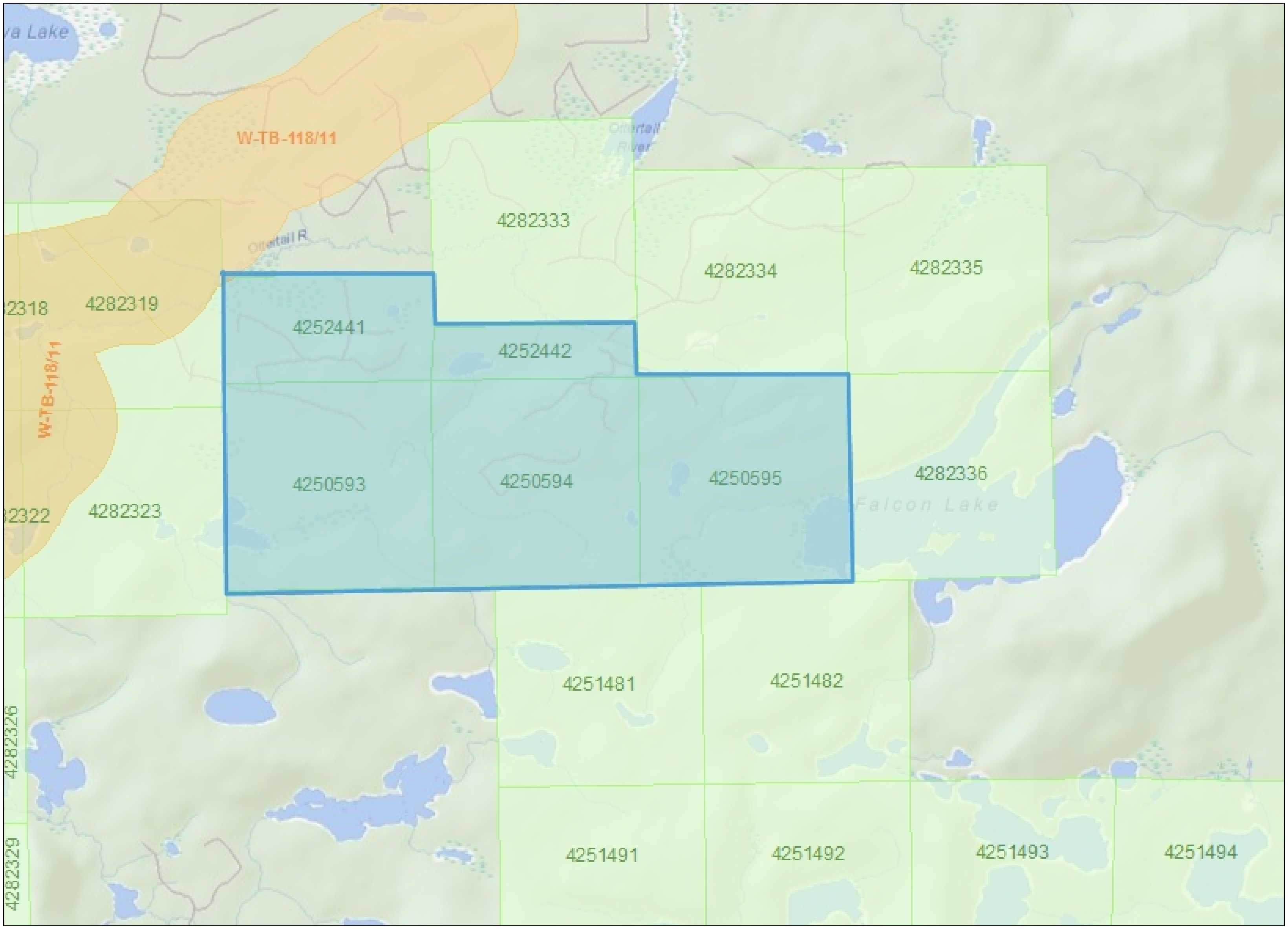

Legend

Administration Boundaries
- Mining Divisions
- Resident Geologist District
- Townships and Areas
- UTM Grid
- Geographic Lot Fabric
- Other Federal Land

Mineral Tenure Grid
- OMTG Tenure Grid

Alienations
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- Notice

Unpatented Claim
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- Reconciled
- Pending

Disposition
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Disposition Symbols
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- Freehold Patent Surface and Mining Rights
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- Leasehold Patent Surface Rights Only
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Use Only
- License of Occupation Surface Use Only
- License of Occupation Surface and Mining Rights
- License of Occupation Uses Not Specified
- Order in Council
- Tower
- WPLA

Geology Layers
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- AMIS Features
- Drill Holes
- Mineral Occurrences

0 2.3 km

Projection: Web Mercator

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Crescent Lake Area

Notes:
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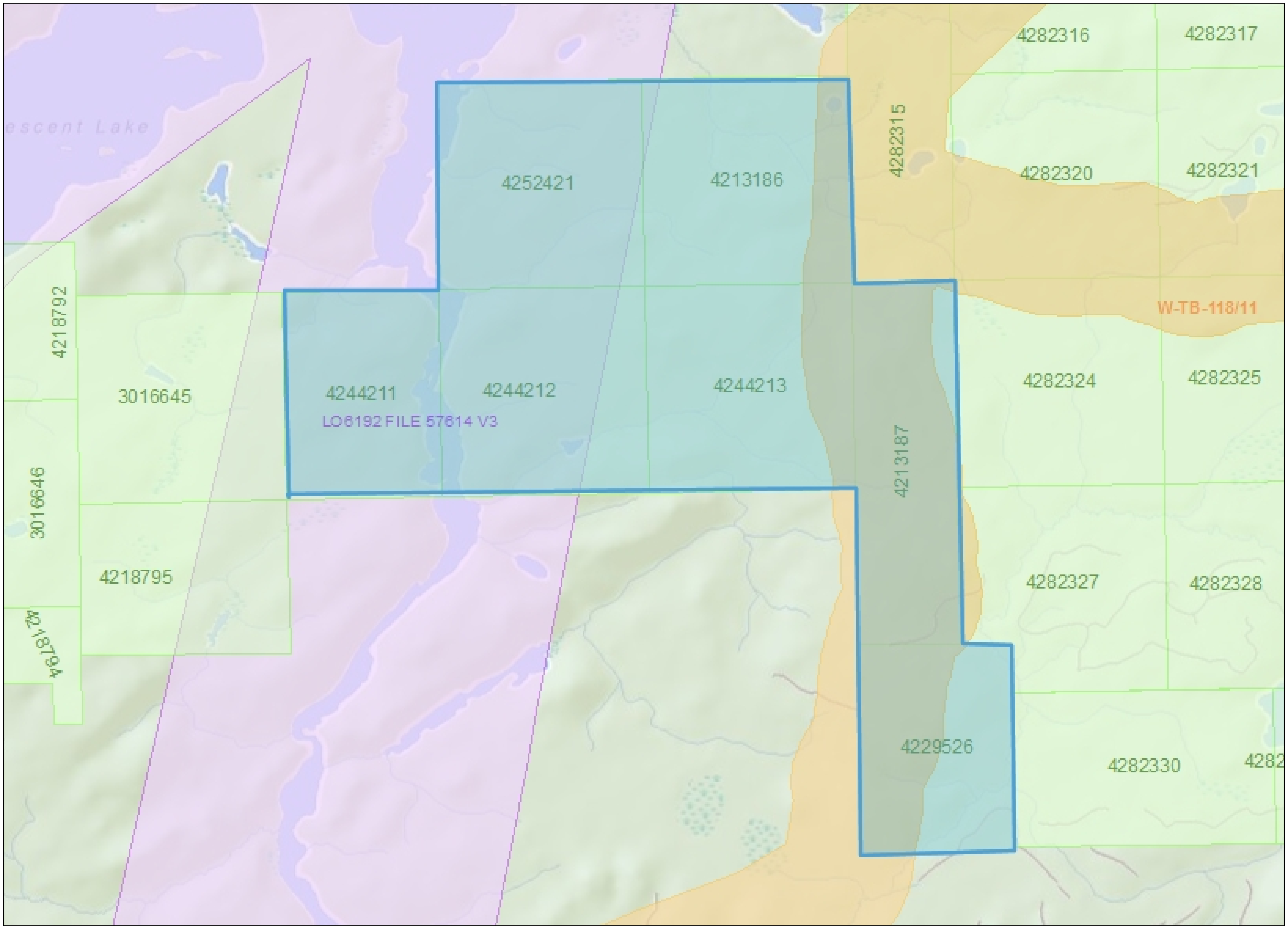

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